



$\Delta = 36-12$ R
 $D = 10-0$
 $T = 8-51$
 $L = 566.60$
 $R = 573.69$
 $E = 29.87$
 $PL = 15+46.1$

NOTES

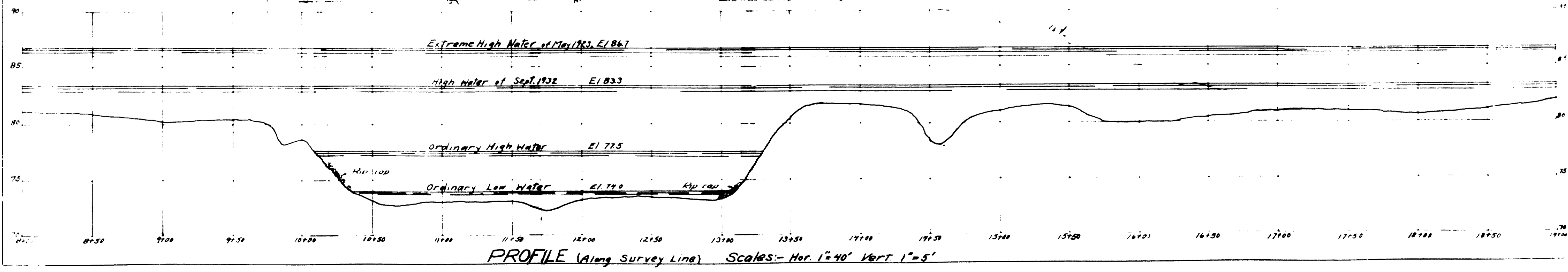
EXISTING SUPERSTRUCTURE: The existing bridge is a simple beam bridge with a span of 130 feet and a center line of 65 feet. It is supported by two abutments and a central pier. The bridge is in poor condition and requires replacement.

EXISTING SUBSTRUCTURE: The existing substructure consists of three masonry abutments and a central pier. The abutments are built on a foundation of granite boulders and are in poor condition. The pier is also built on a foundation of granite boulders and is in poor condition.

FOUNDATION: The foundation consists of granite boulders and is in poor condition. It is recommended that the foundation be replaced with concrete piers.

APPROACHES: The approaches consist of gravel and are in poor condition. It is recommended that the approaches be replaced with concrete slabs.

PLAN Scale - 1" = 40'

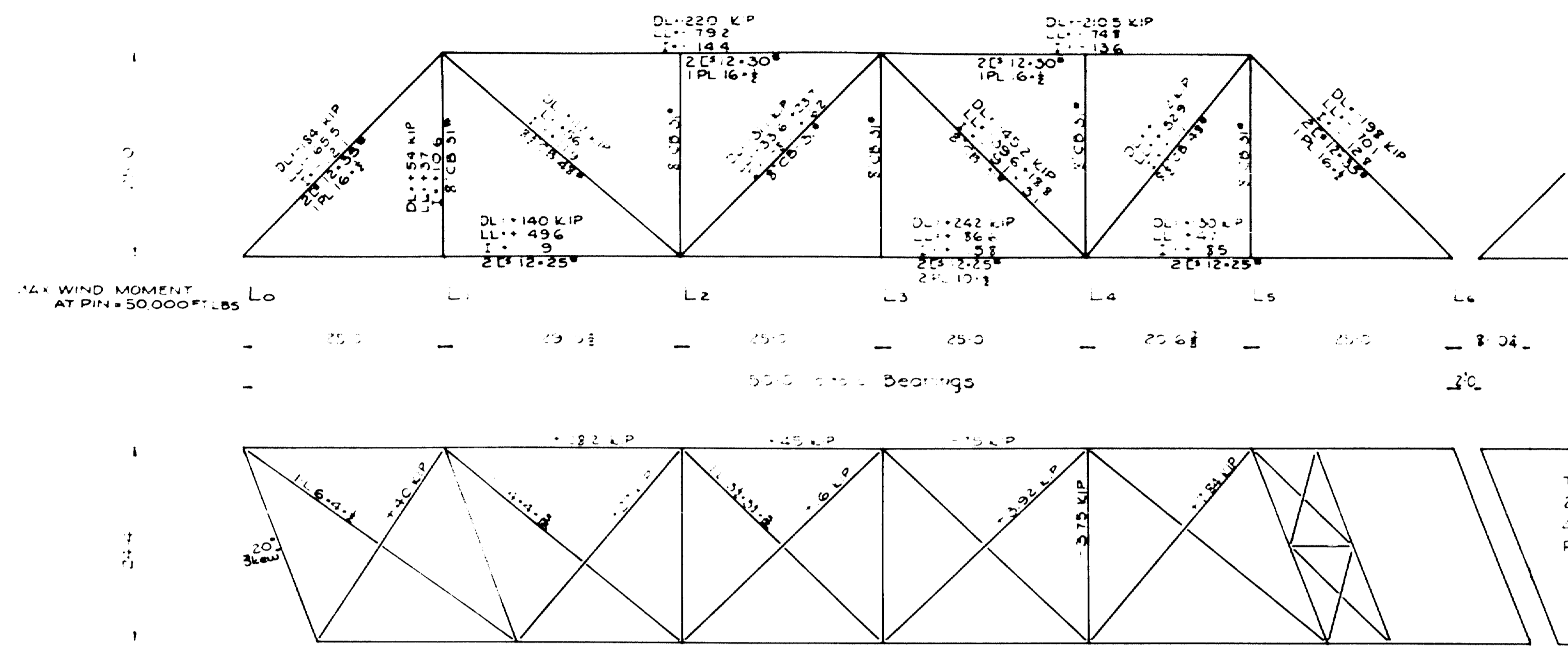


PROFILE (Along Survey Line) Scales: - Hor. 1" = 40' Vert 1" = 5'

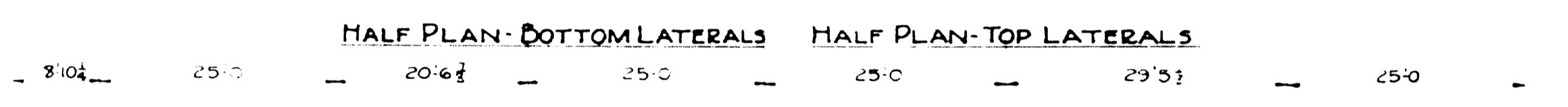
Surveyed by Beckman
 Plotted & Traced by W.G. Pratt

TOWN: 11-16
 E.M.P. 3,777

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
PLEASANT RIVER BRIDGE
 IN THE TOWN OF
MILO, PISCATAQUIS CO.,
 SURVEY PLAN
 SHEET 2 of 1 AUGUSTA, MAINE JULY 1934



MAX WIND MOMENT
AT PIN = 50,000 FT LBS



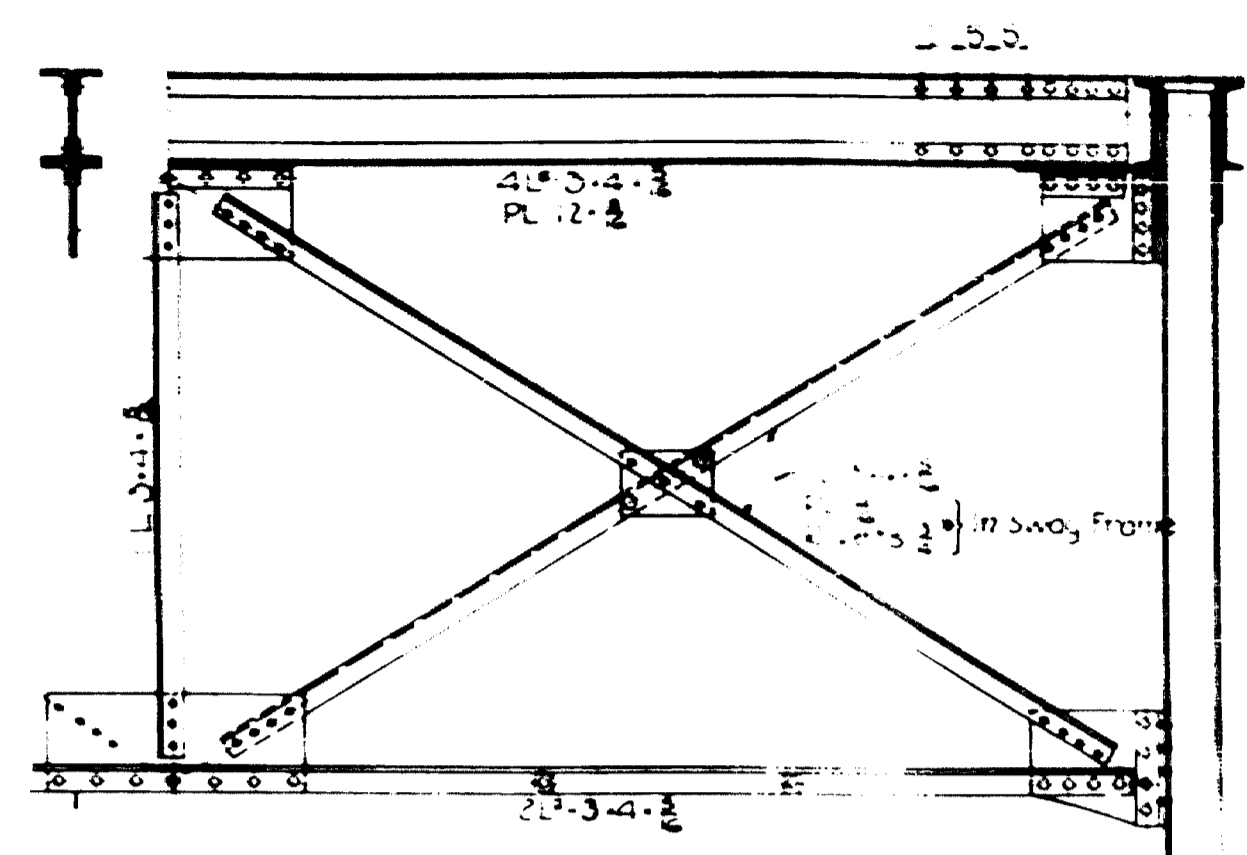
HALF PLAN - BOTTOM LATERALS HALF PLAN - TOP LATERALS

LATERAL FORCE - TOP CHORD - 50[#] per sq ft moving load on 1/2 times area in elevation
 BOTTOM CHORD - 30[#] per sq ft moving load on 1/2 times area in elevation
 plus moving load of 200[#] in ft
 LIVE LOAD 115 plus impact
 DEAD LOAD 2160[#] per ft of Truss
 SPECIFICATIONS - MAINE STATE HIGHWAY COMMISSION STEEL HIGHWAY BRIDGES 1936

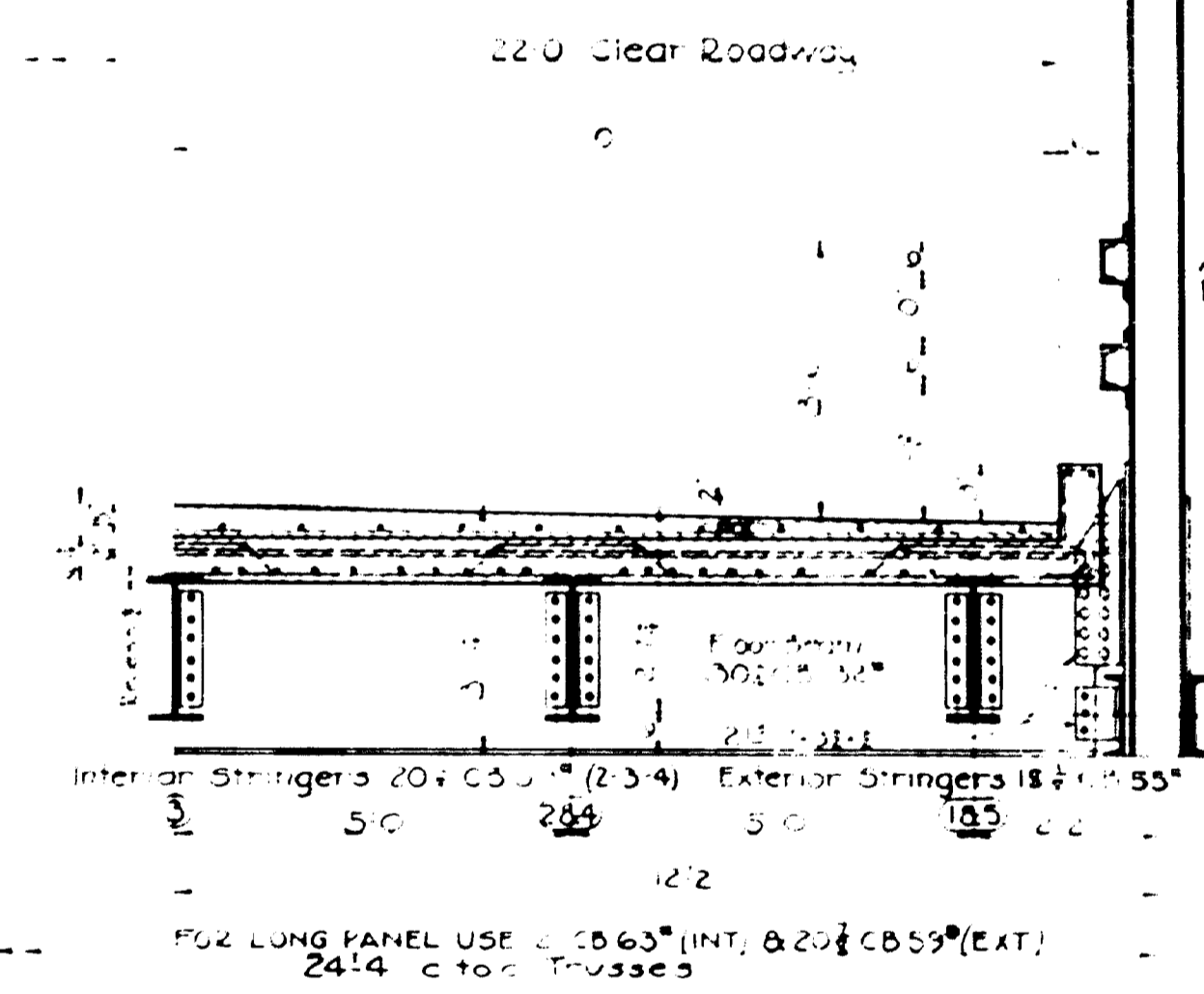
STRANGERS	
EXTERIOR 25.0 SPAN	DLM 591,000 IN LBS LLM 309,000 I 283,000 1659,000 18 ¹ / ₂ CB 55
EXTERIOR 28.5 ¹ / ₂ SPAN	DLM 764,000 LLM 396,000 I 315,000 2,025,000 20 ¹ / ₂ CB 59
INTERIOR 25.0 SPAN	DLM 714,000 LLM 396,000 I 332,000 2,042,000 20 ¹ / ₂ CB 59
INTERIOR 26.10 ¹ / ₂ SPAN	DLM 775,000 LLM 1,072,000 I 357,000 2,204,000 21 ¹ / ₂ CB 63

FLOOR BEAMS	
EXTERIOR 25.0 SPAN	DLM 3373,000 IN LBS LLM 2463,000 I 704,000 6537,000 30 ¹ / ₂ CB 32

All field connections of Main Members to be sub punched and reamed
 All rivets 3/4[#] except in top chord bracing & portal & railing
 All details shall be in accordance with Maine State Highway Commission Specifications Steel Highway Bridges - 1936



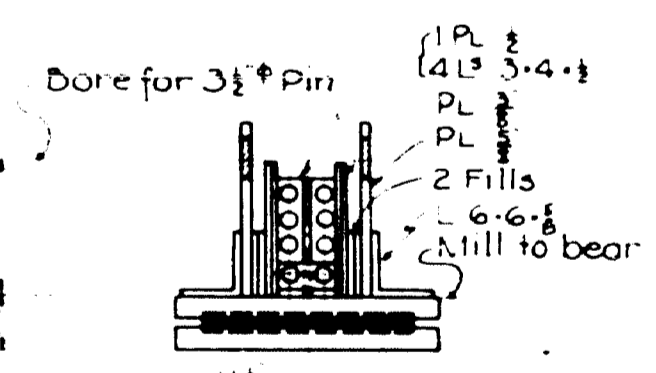
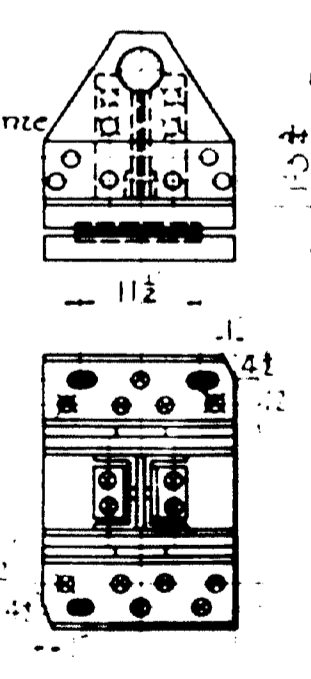
TOP LATERAL DIAGONALS
 2¹/₂ 3¹/₂ 3¹/₂ TOP STRUTS
 2¹/₂ 4¹/₂ 3¹/₂ PL 12¹/₂
 PORTAL MEMBERS 2¹/₂ 4¹/₂ 3¹/₂



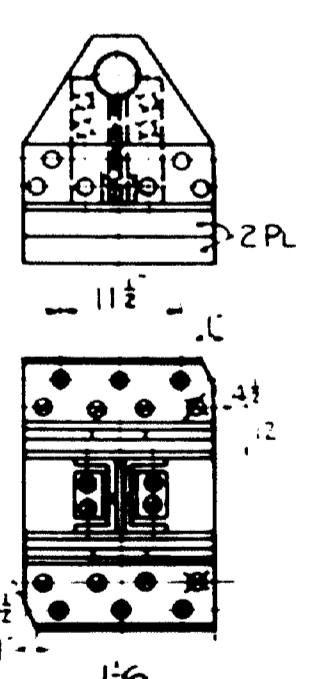
HALF CROSS SECTION

PEDESTALS

EXPANSION

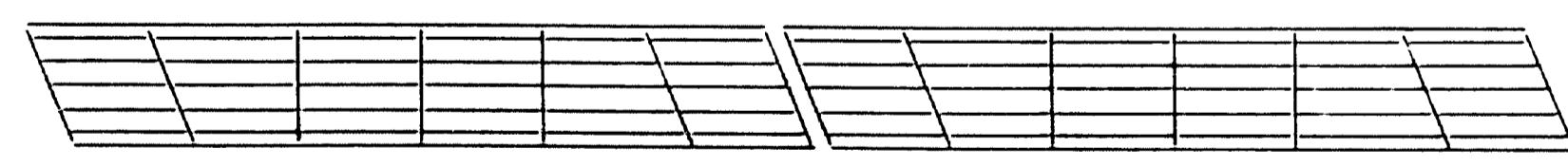


FIXED

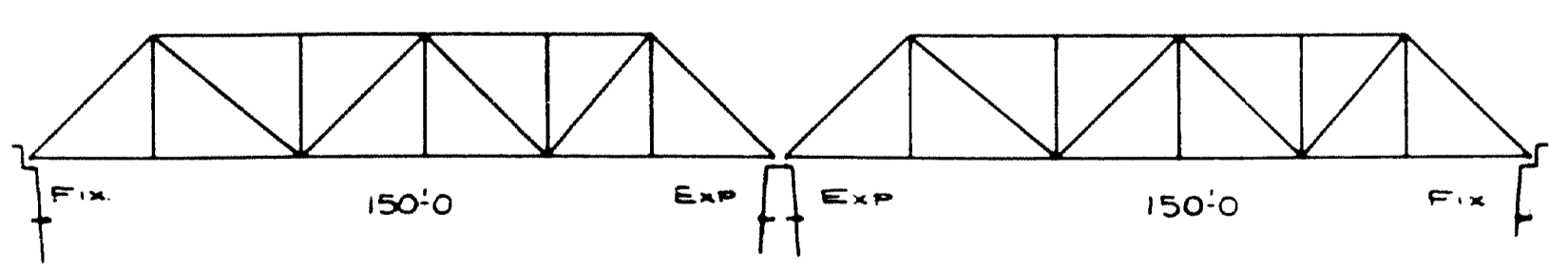


3 Anchor bolts 1 1/2[#] x 11 each Bearing
 2 Nuts each bolt - set 1/3 in concrete.
 Grooves may be cut 3/8[#] to 1/2[#] deeper than the bed area to permit machining

GENERAL PLAN

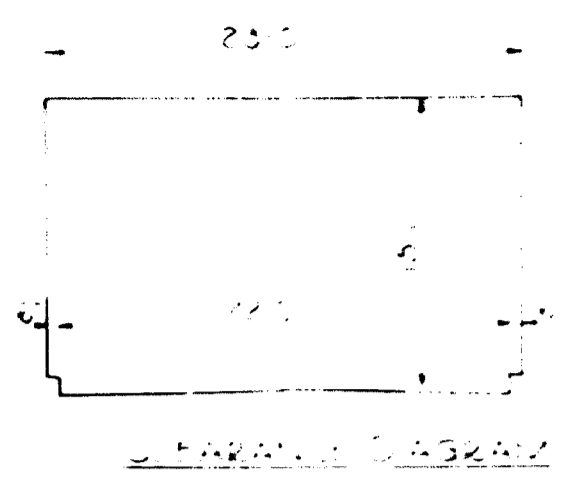


ELEVATION

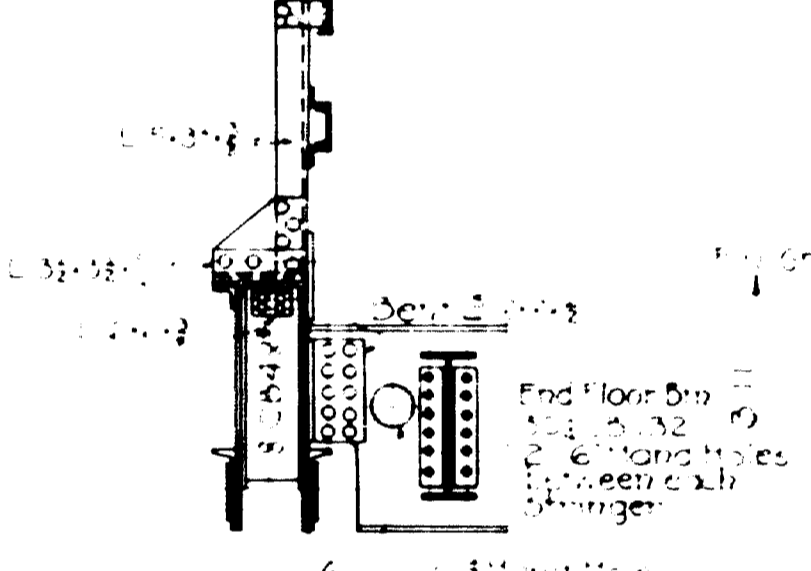
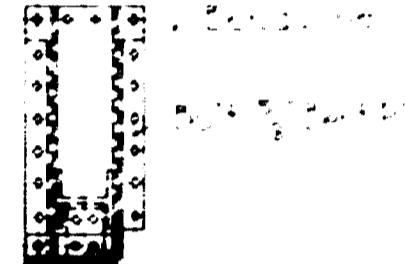


MAINE STATE HIGHWAY COMMISSION
 1244
PLEASANT RIVER BRIDGE
 PLEASANT RIVER
 IN THE TOWN OF
 MILO - PISCATAQUIS COUNTY
 STEEL DETAILS
 SHEET 3 OF 7 SHEETS AUG. STA. ME. APR. 1936

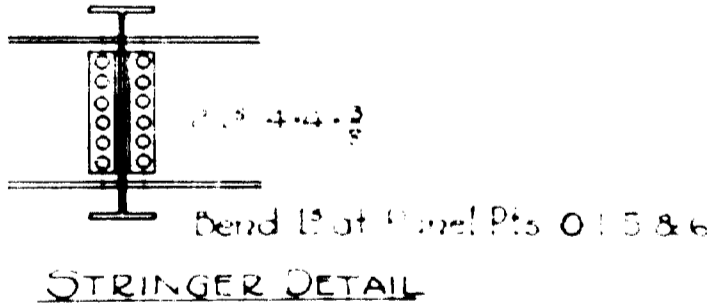
Drawn by E.P.
 Traced by L.R.
 Checked by E.P.



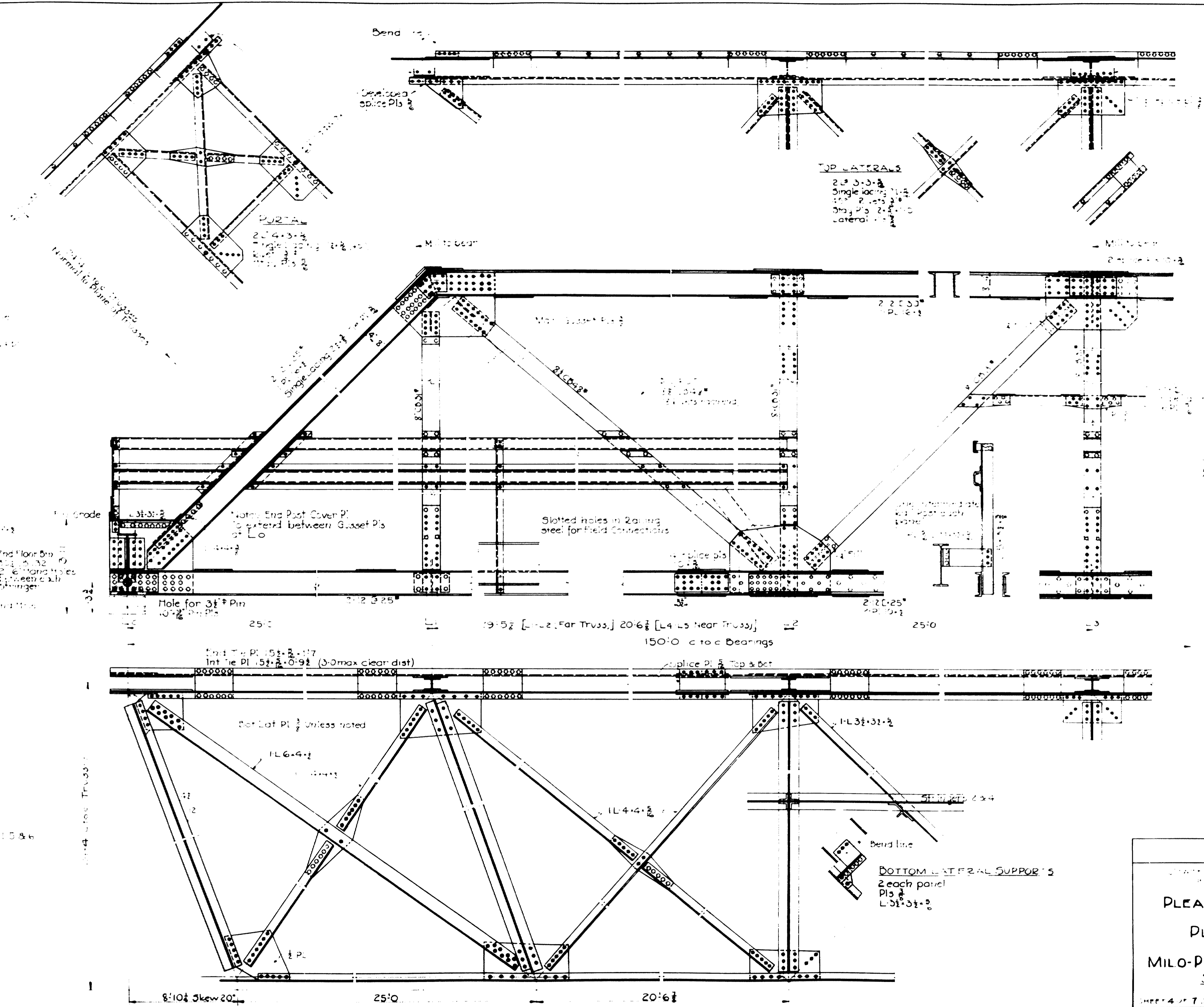
25'-0"



Use turned bolts to connect acute top of floor beam to truss or approved steel bolts



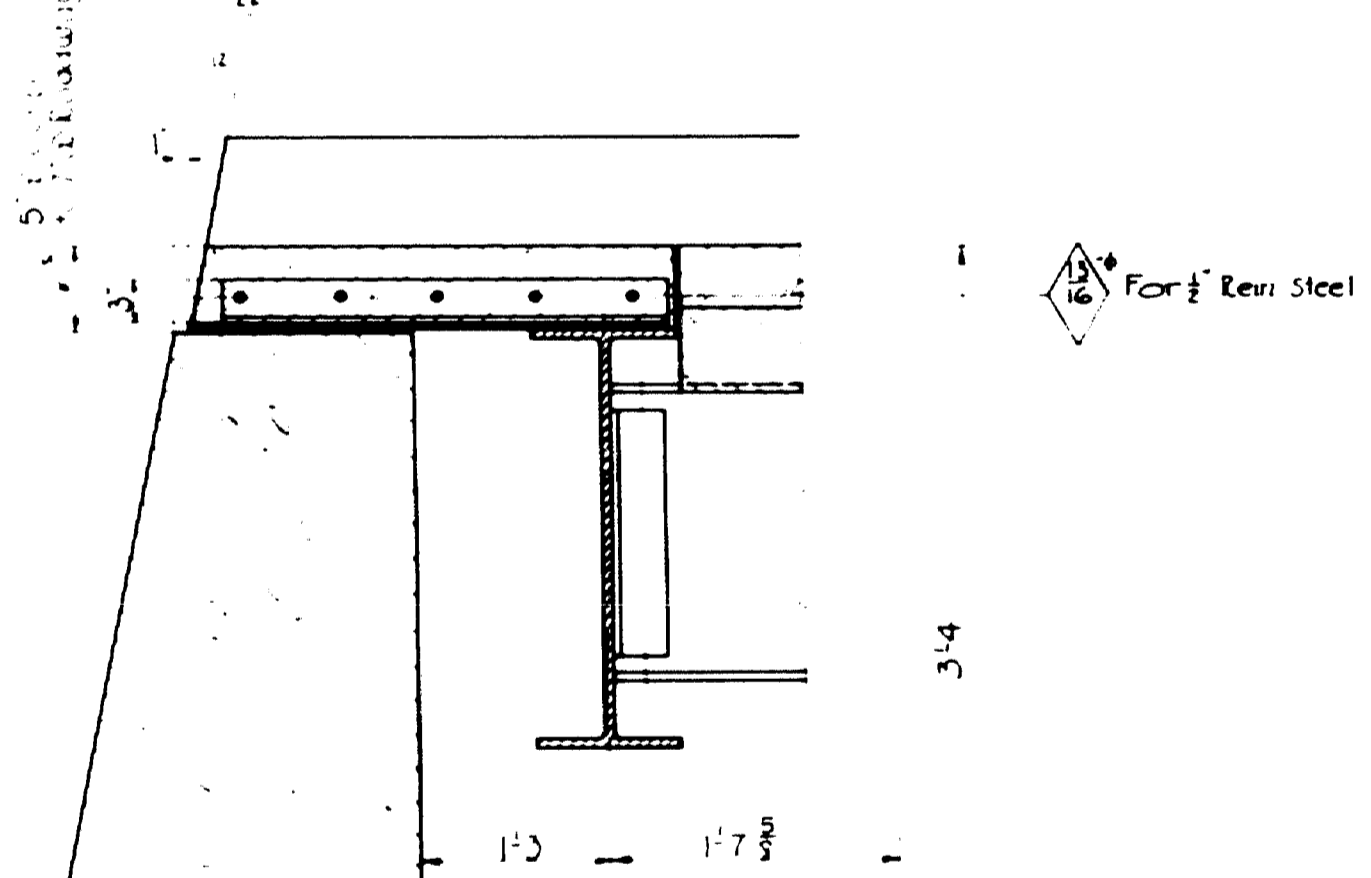
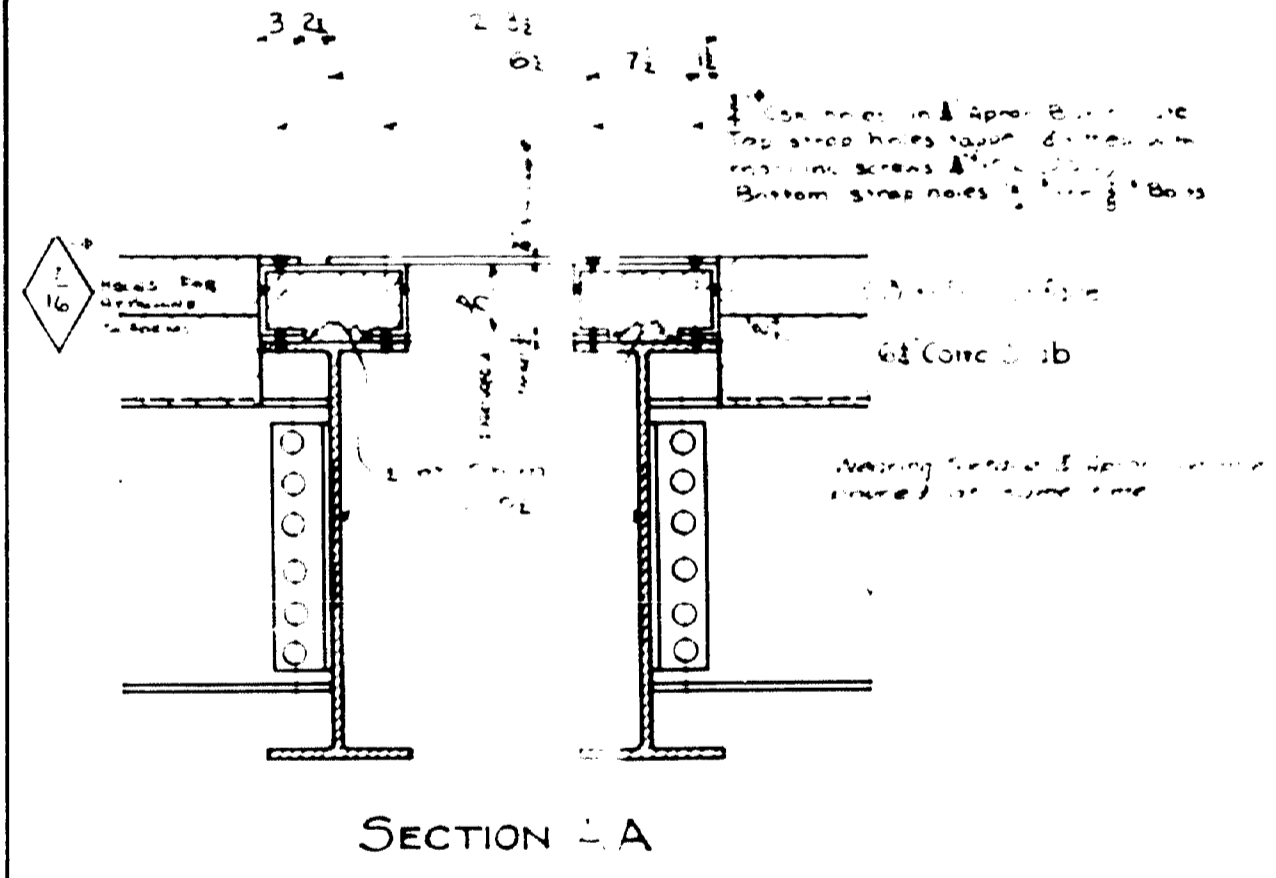
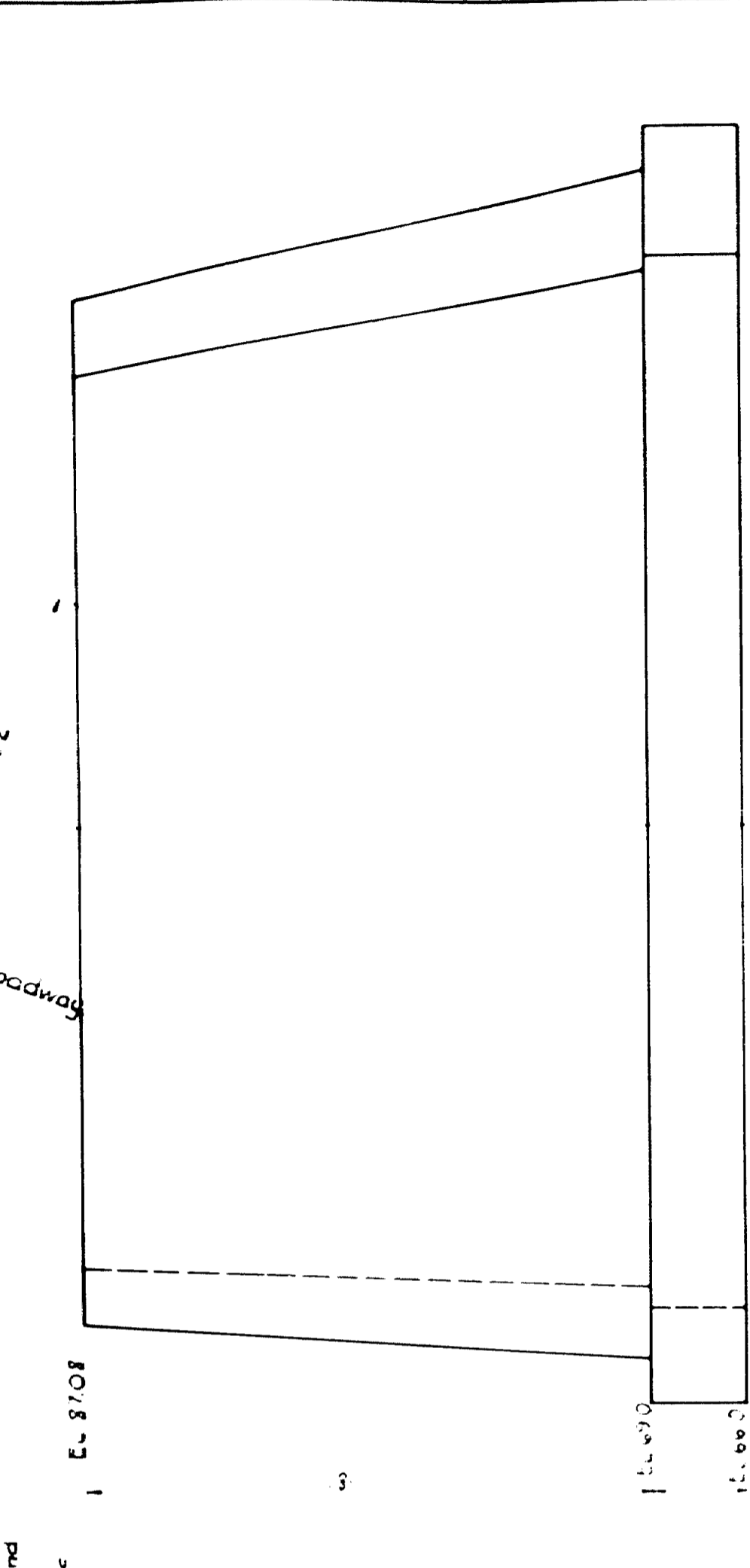
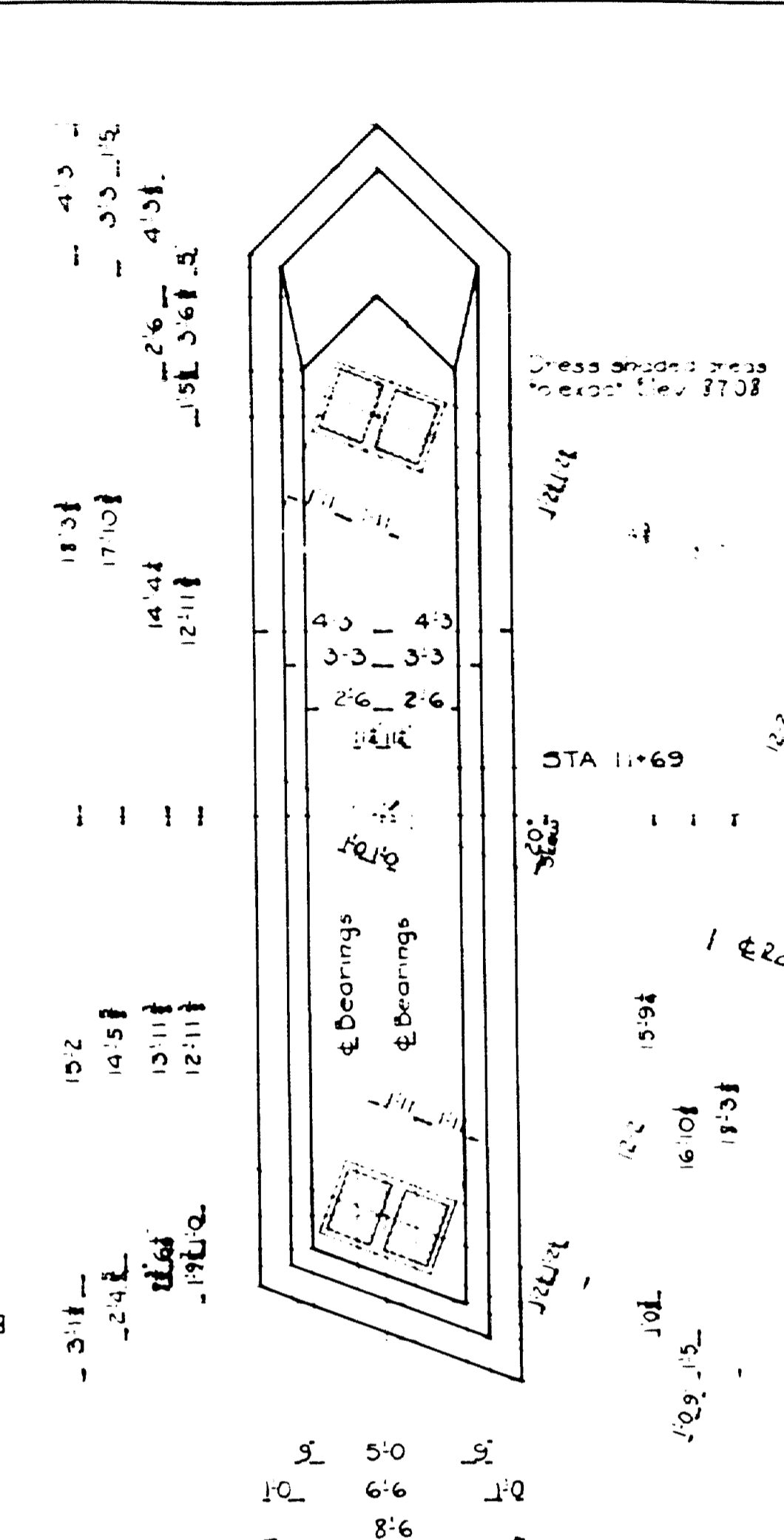
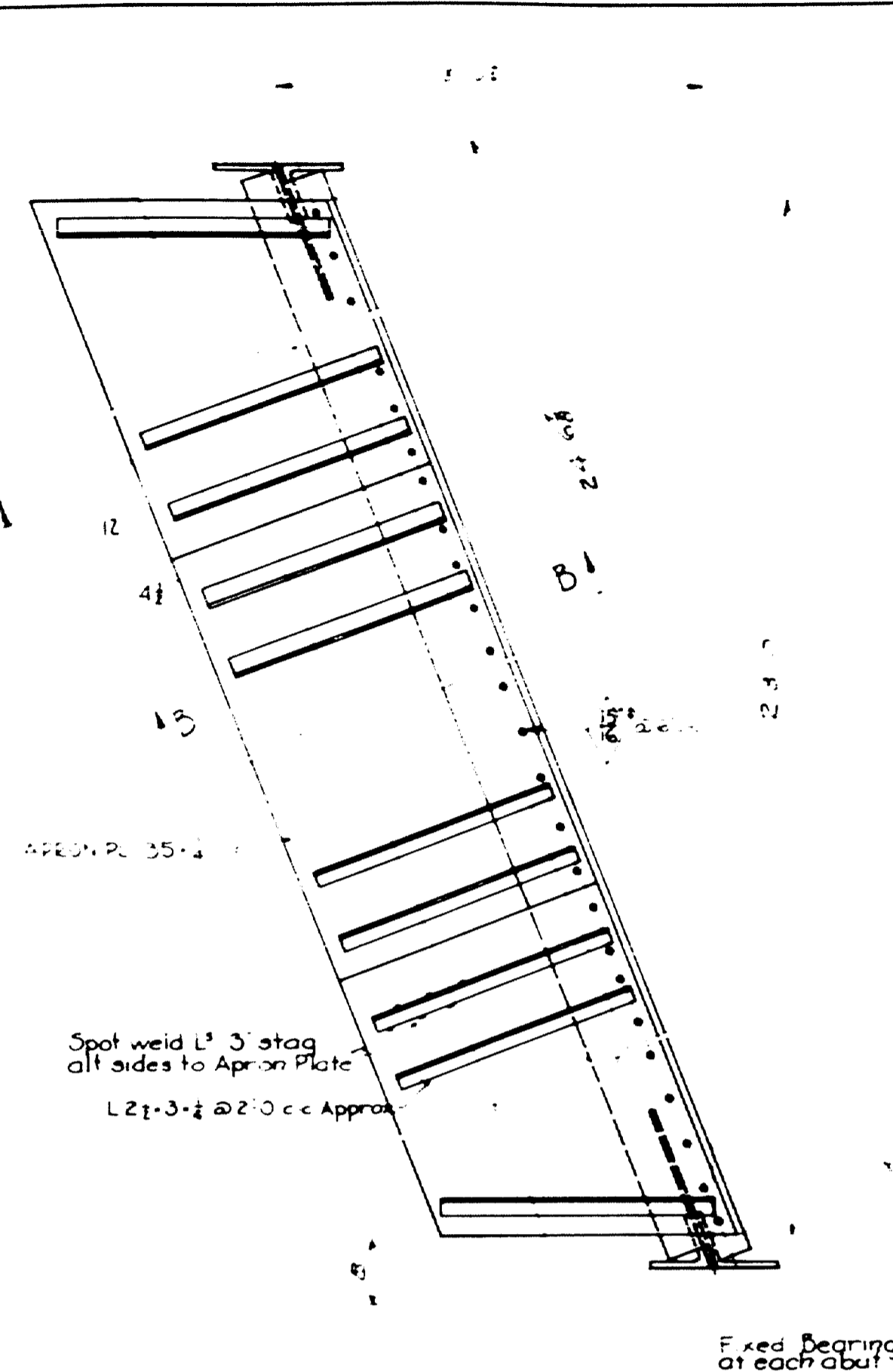
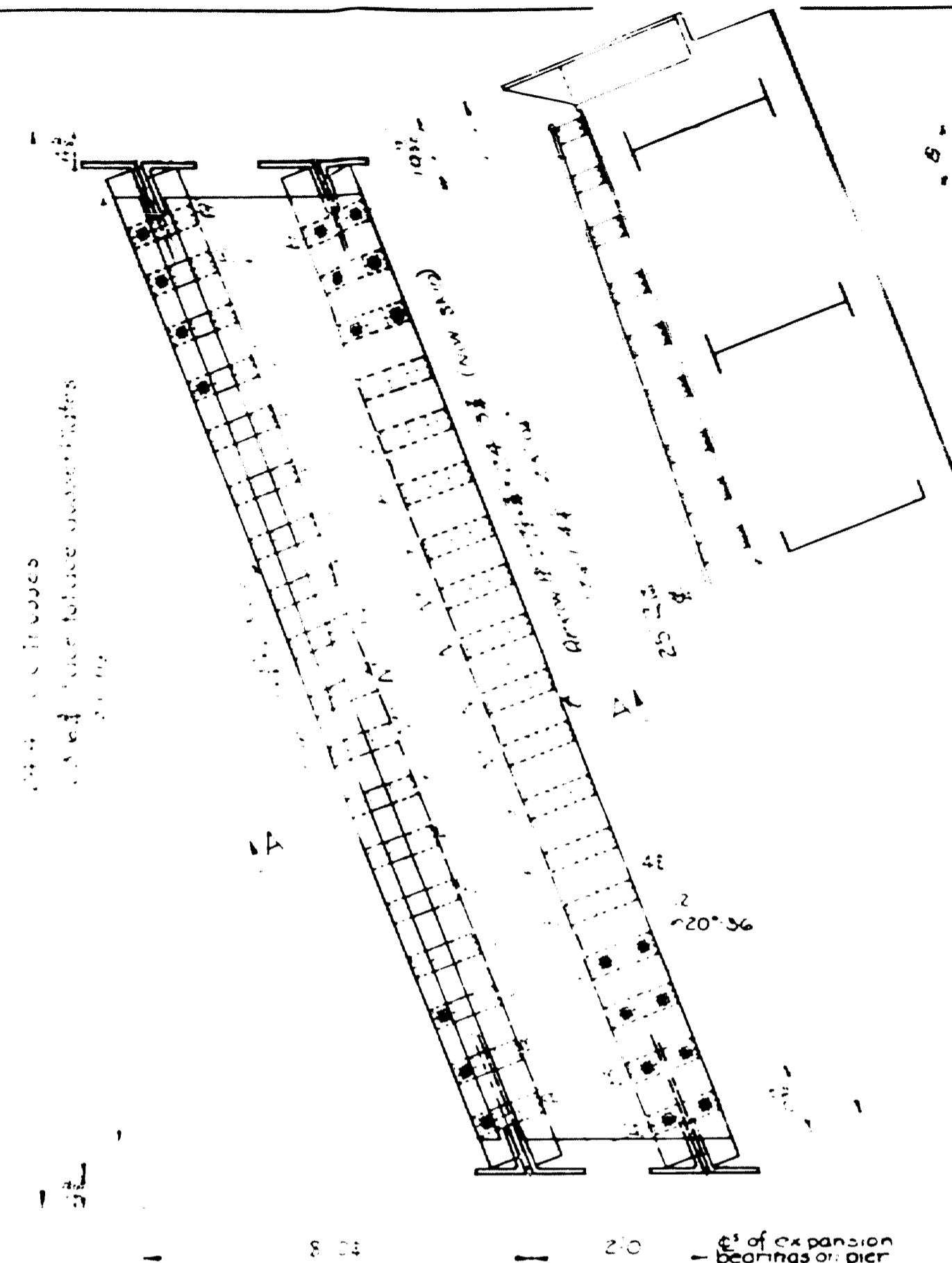
STRINGER DETAIL



Drawn by E.B.
Checked by J.L.
Checked by A.M.

<p>PLEASANT RIVER BRIDGE</p> <p>PLEASANT RIVER</p> <p>MIL-O-PISCATAQUIS COUNTY</p> <p>STEEL DETAILS</p>	
<p>SHEET 4 OF 7 SHEETS</p>	<p>106</p>

27-6



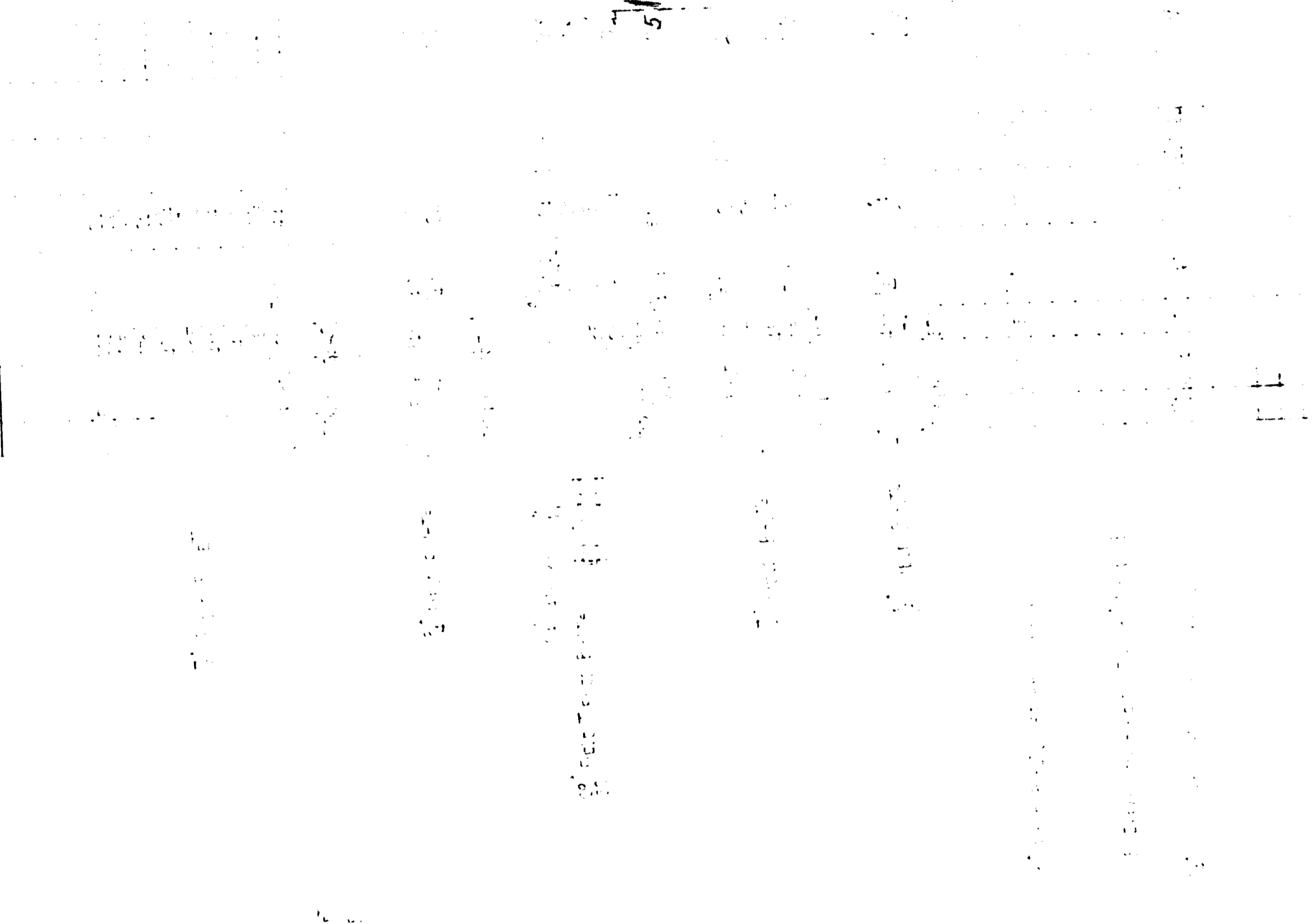
STRANDS - BENT BARS 5'-4"

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HARRIS STRUCTURAL STEEL COMPANY, INC., 419 FOURTH AVE., N.Y.

STRUCTURE

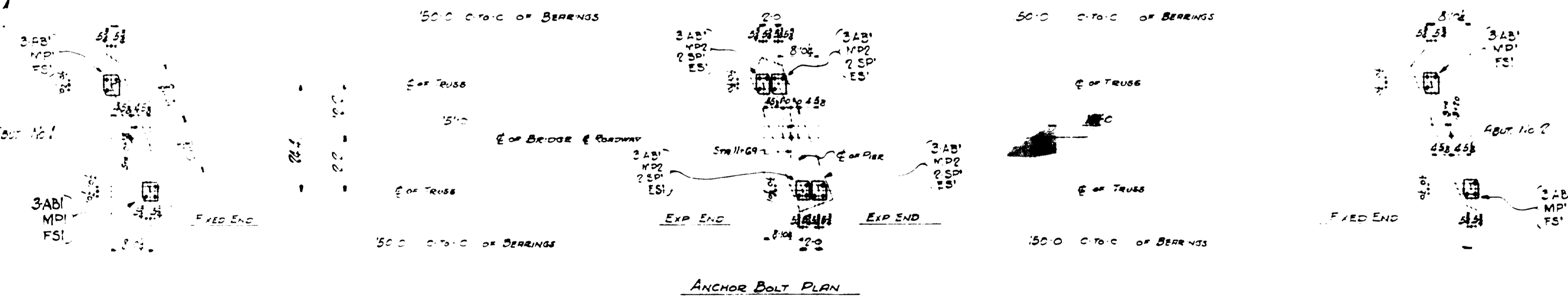
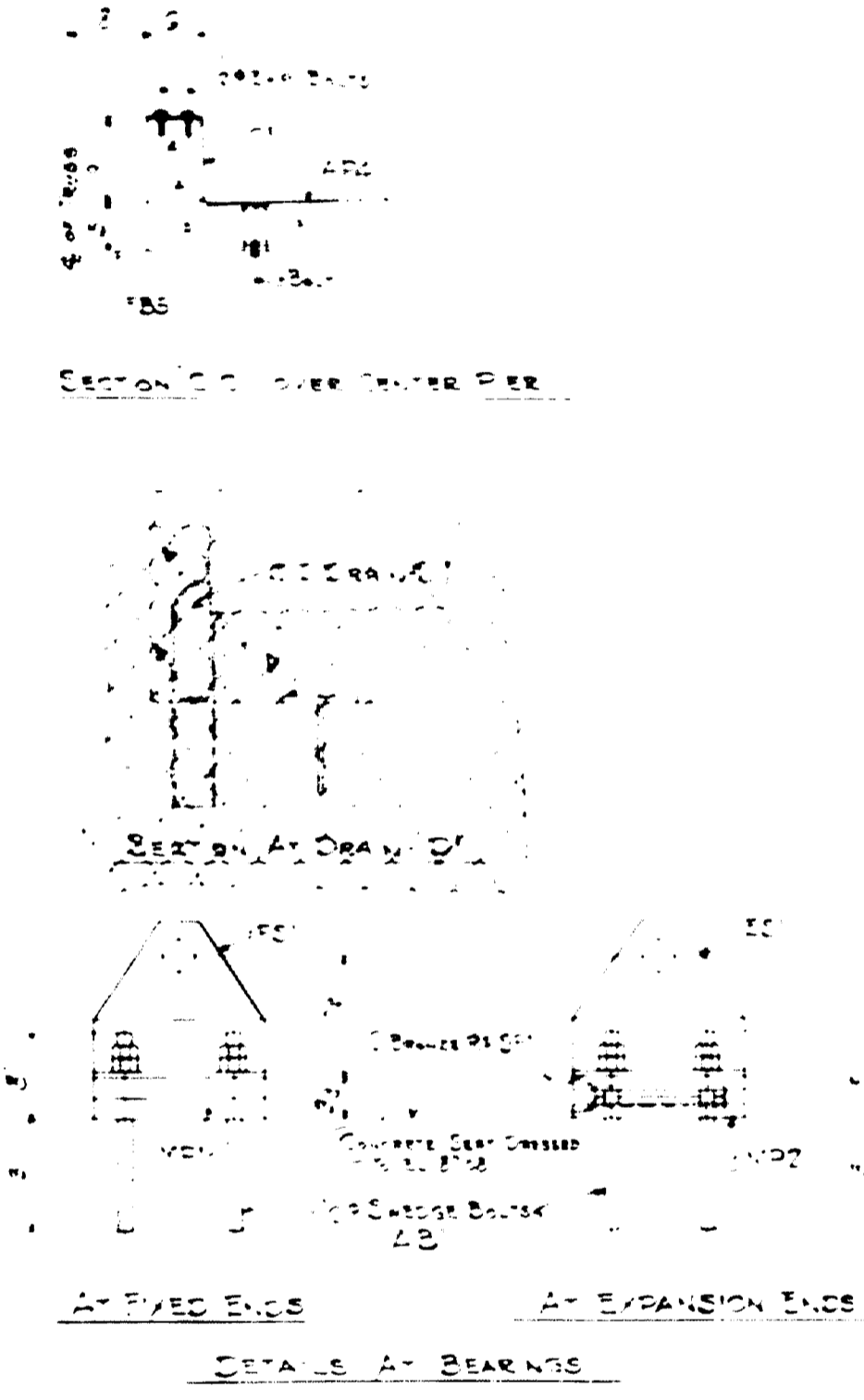
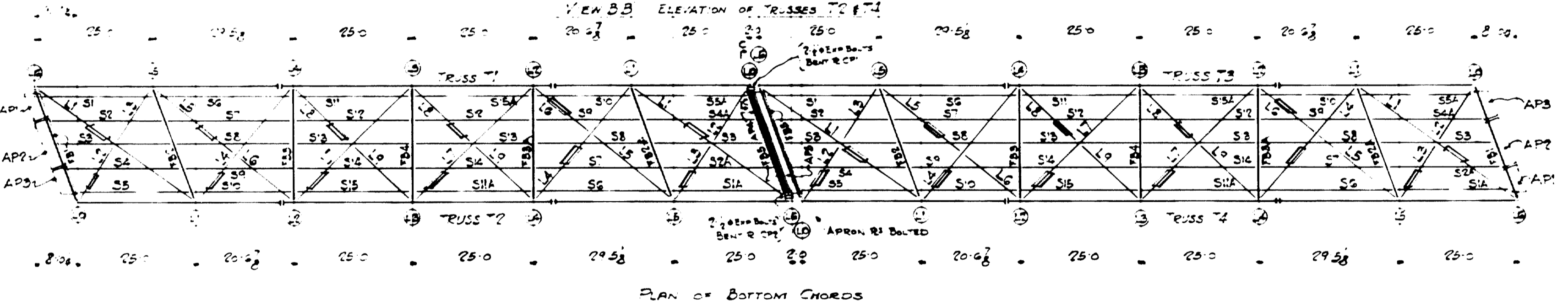
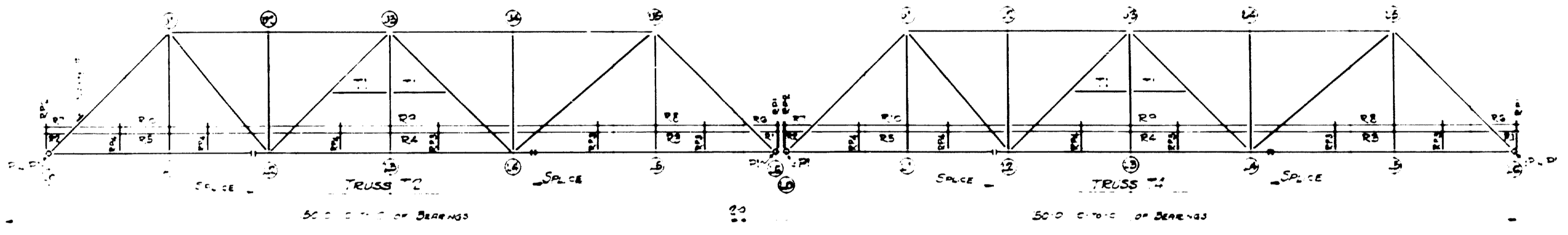
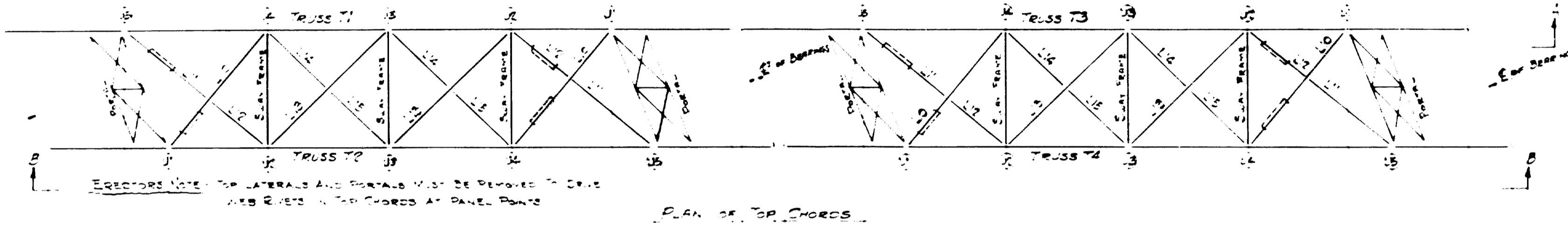
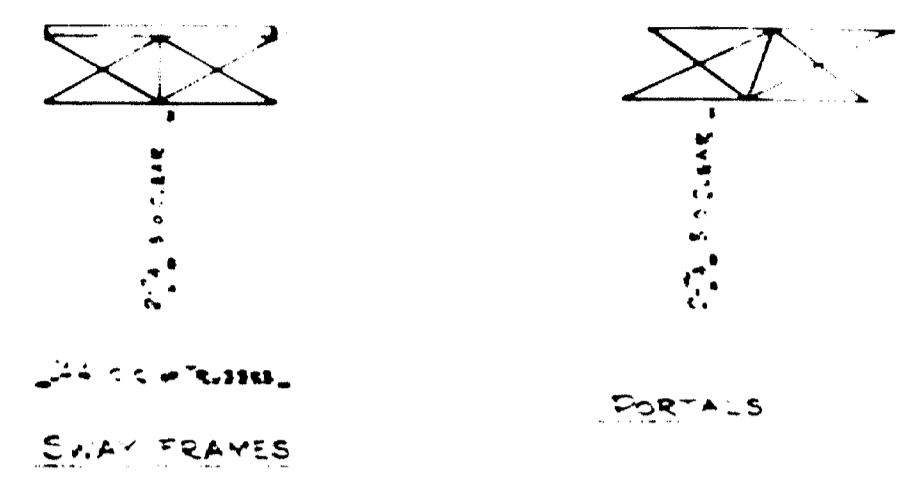
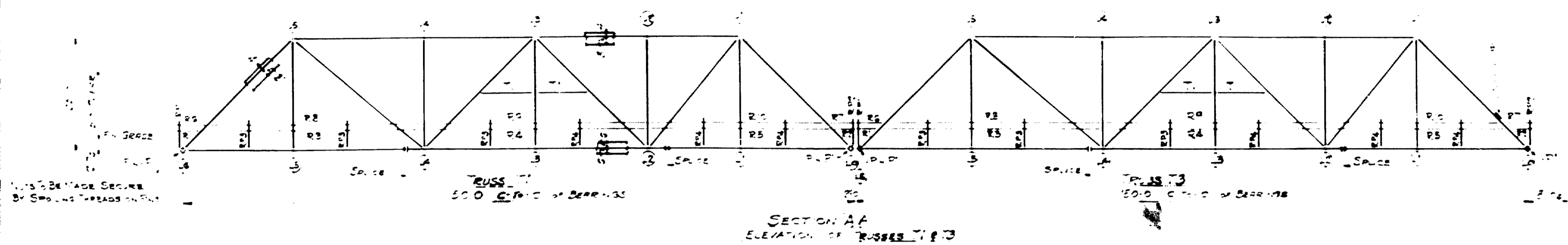
DATE: _____ SHEET NO. _____ CONTRACT NO. _____



DATE: _____ SHEET NO. _____ CONTRACT NO. _____

RIVETS DIAM OPEN HOLES DIAM

UNLESS OTHERWISE NOTED

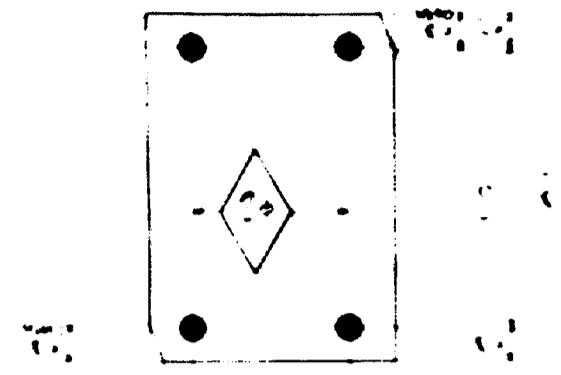


BRIDGE GUARD RAIL CONSTRUCTION PER 2022
 LOWER GUARD RAIL TO HAVE LONGITUDINAL
 ADJUSTMENT ONLY

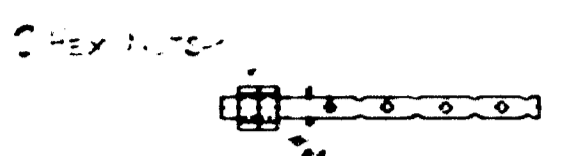
ERECTOR'S DIAGRAM
 PLEASANT RIVER BRIDGE
 OVER PLEASANT RIVER IN THE TOWN
 OF YOUNG, WASHINGTON COUNTY, MAINE
 MAINE STATE HIGHWAY COMMISSION
 PROJECT NO. 1000
 DRAWING NO. 27-10

DATE: 10/10/22
 BY: [Signature]
 CHECKED: [Signature]

SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION
 STEEL HIGHWAY BRIDGES - 1936

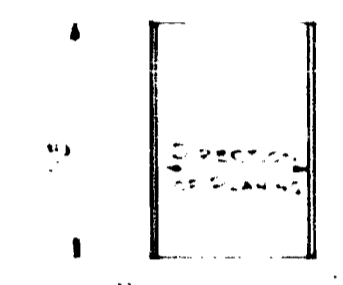


T-PLATE 4" x 12" SWEDGE

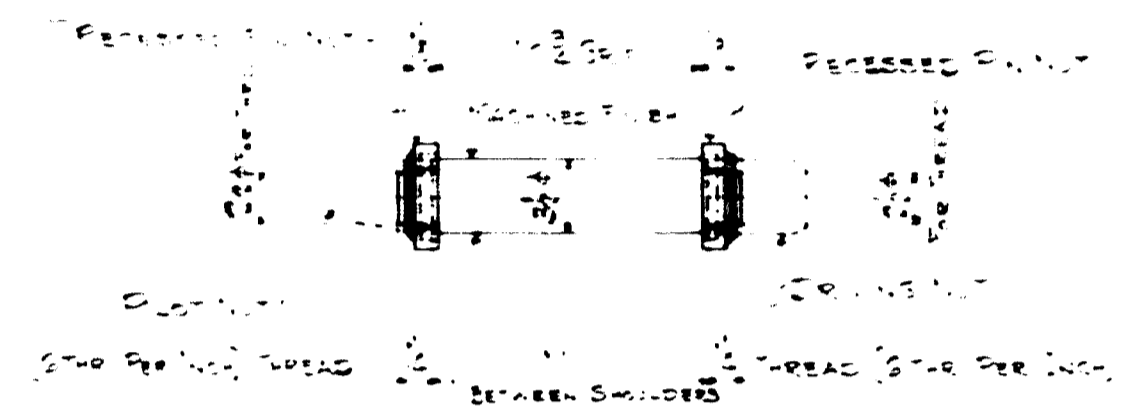


MAKE 14 SWEDGE BOLTS MARK AB!

MAKE 10 SHEETS OF 1/2" COPPER
SEND TO THE BRIDGE BUREAU TO
COVER ONE SIDE OF EACH SHEET



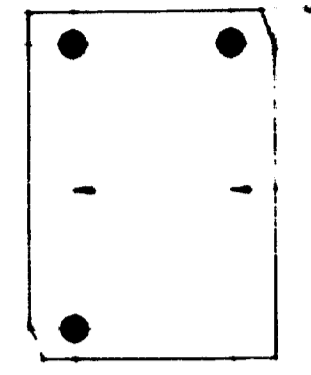
MAKE 2 MASONRY BOLTS MARK CD!
PAINT



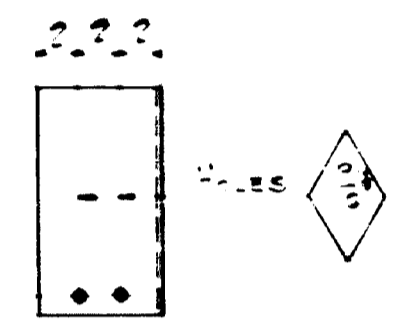
PAINT ONE COAT MIXTURE
OF WHITE LEAD AND TALLOW

SHARP MAKE 2 EXPANSION AND 2 DRIVING BOLTS
EP 3 1/2" DIA

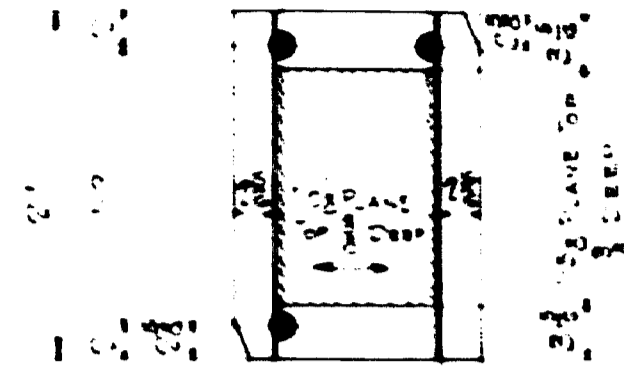
MAKE 2 PINS MARK D!



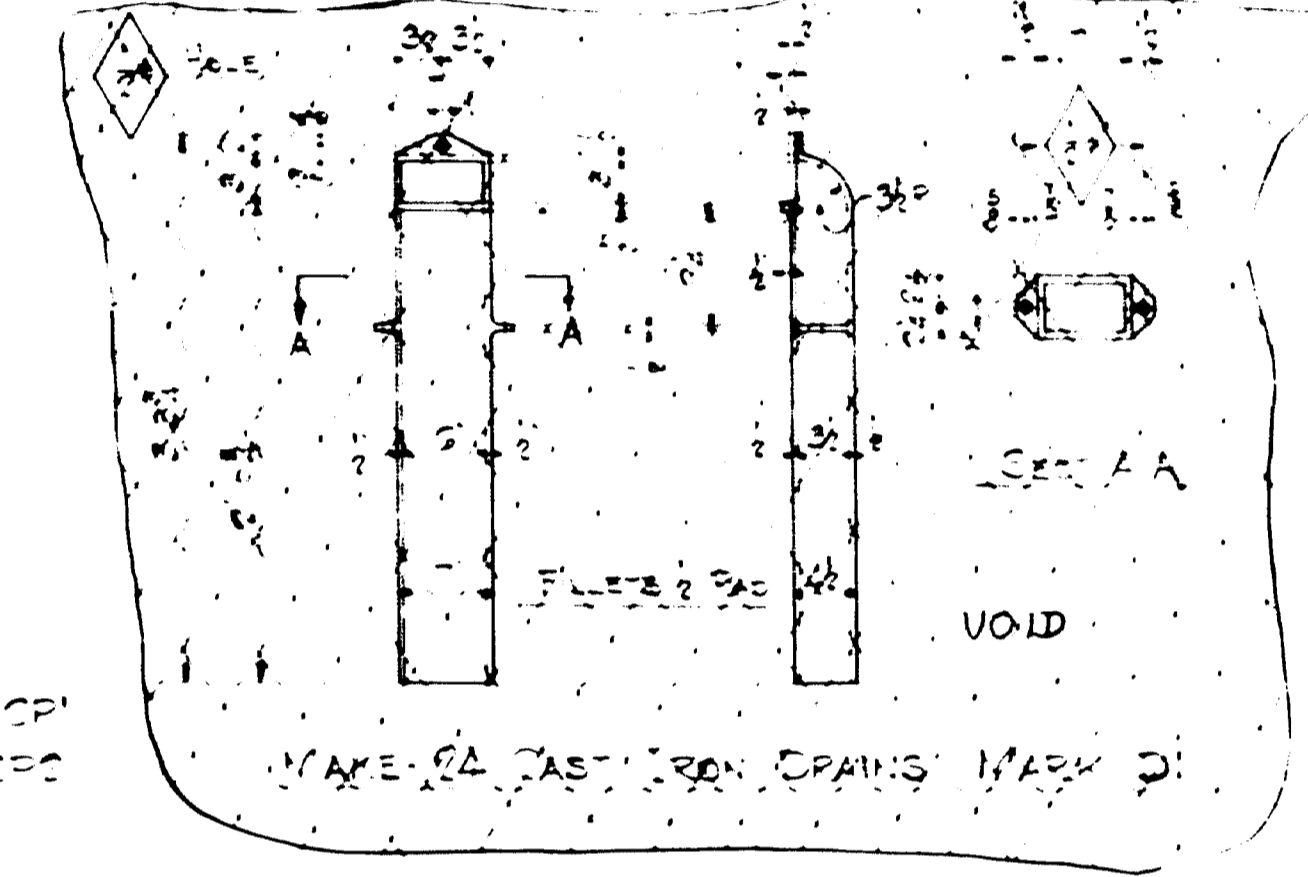
MAKE 2 MASONRY BOLTS MARK NE!



MAKE ONE CURB E AS SHOWN MARK OF!
ONE ON EACH OPP. HAND

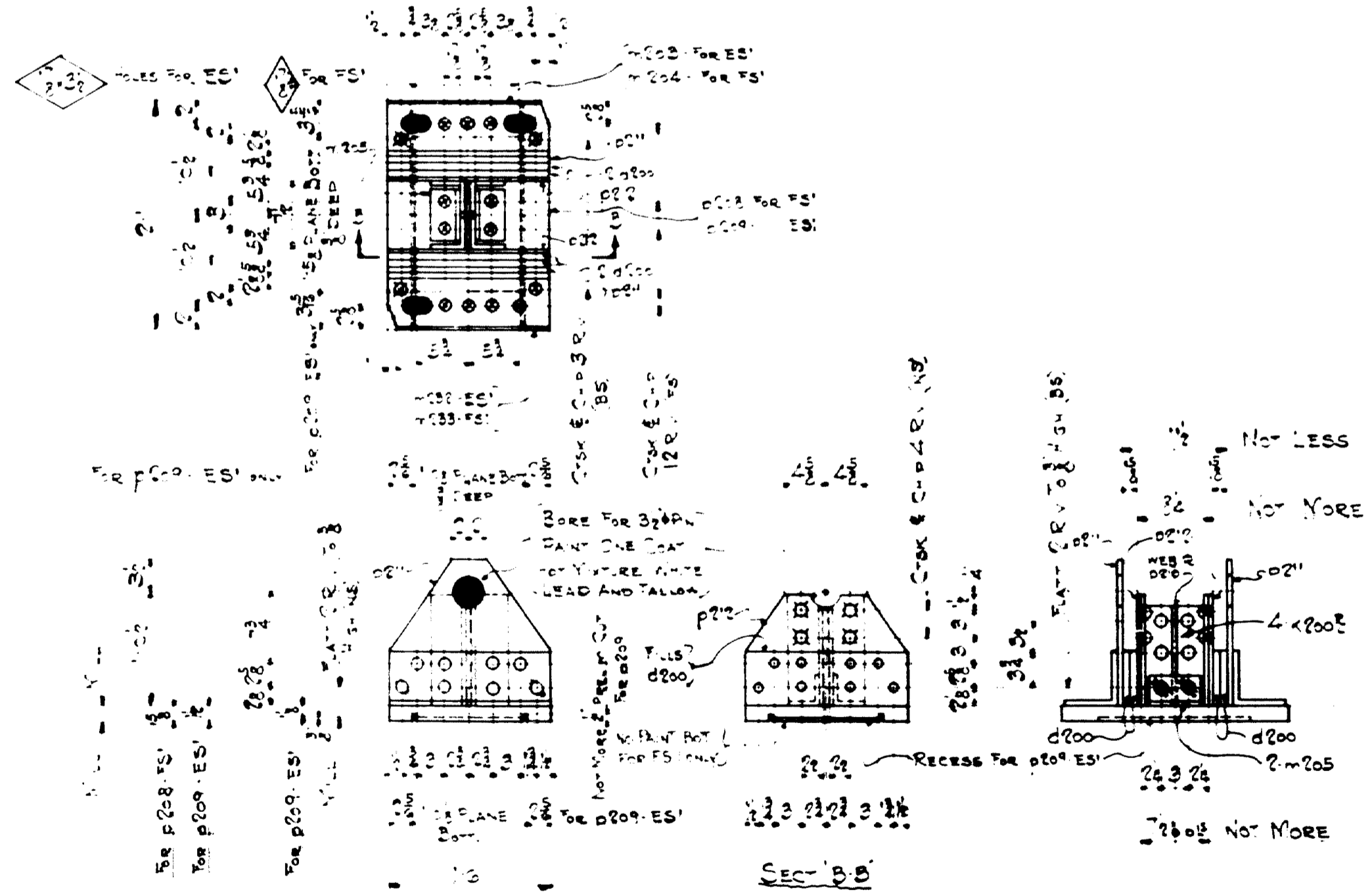


MAKE 2 MASONRY BOLTS MARK NW!



MAKE 2 CAST IRON DRAINS MARK D!

REQD No	MA	QTY	SIZE	LENGTH	REMARKS	ORD	WT
21	AB	14	SWEDGE BOLTS	14"			
22	CD	2	MASONRY BOLTS	12"			
23	NE	2	MASONRY BOLTS	12"			
24	NW	2	MASONRY BOLTS	12"			
25	OF	1	CURB	12"			
26	D	2	CAST IRON DRAINS	12"			
27	ES	4	EXPANSION SHOES	12"			
28	ES	4	FIXED SHOES	12"			

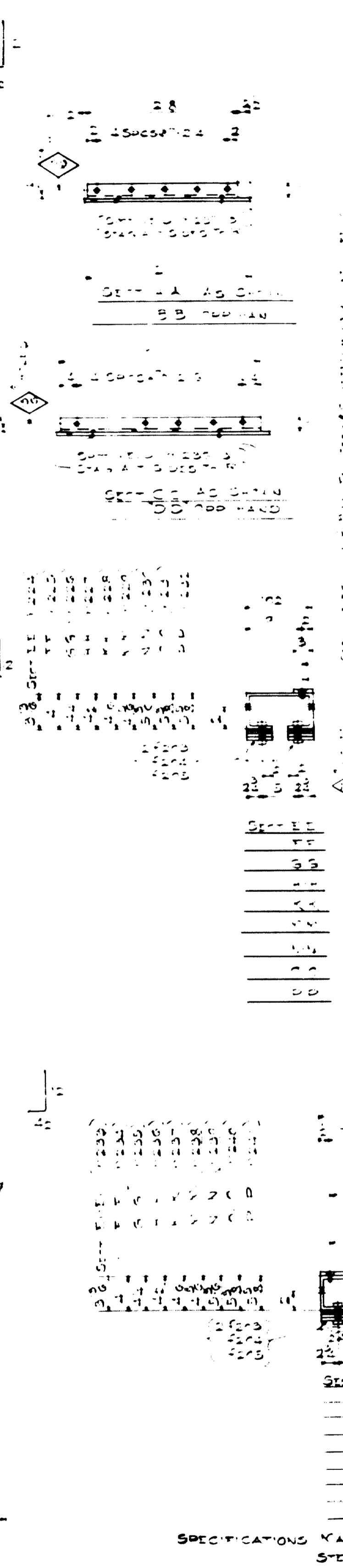
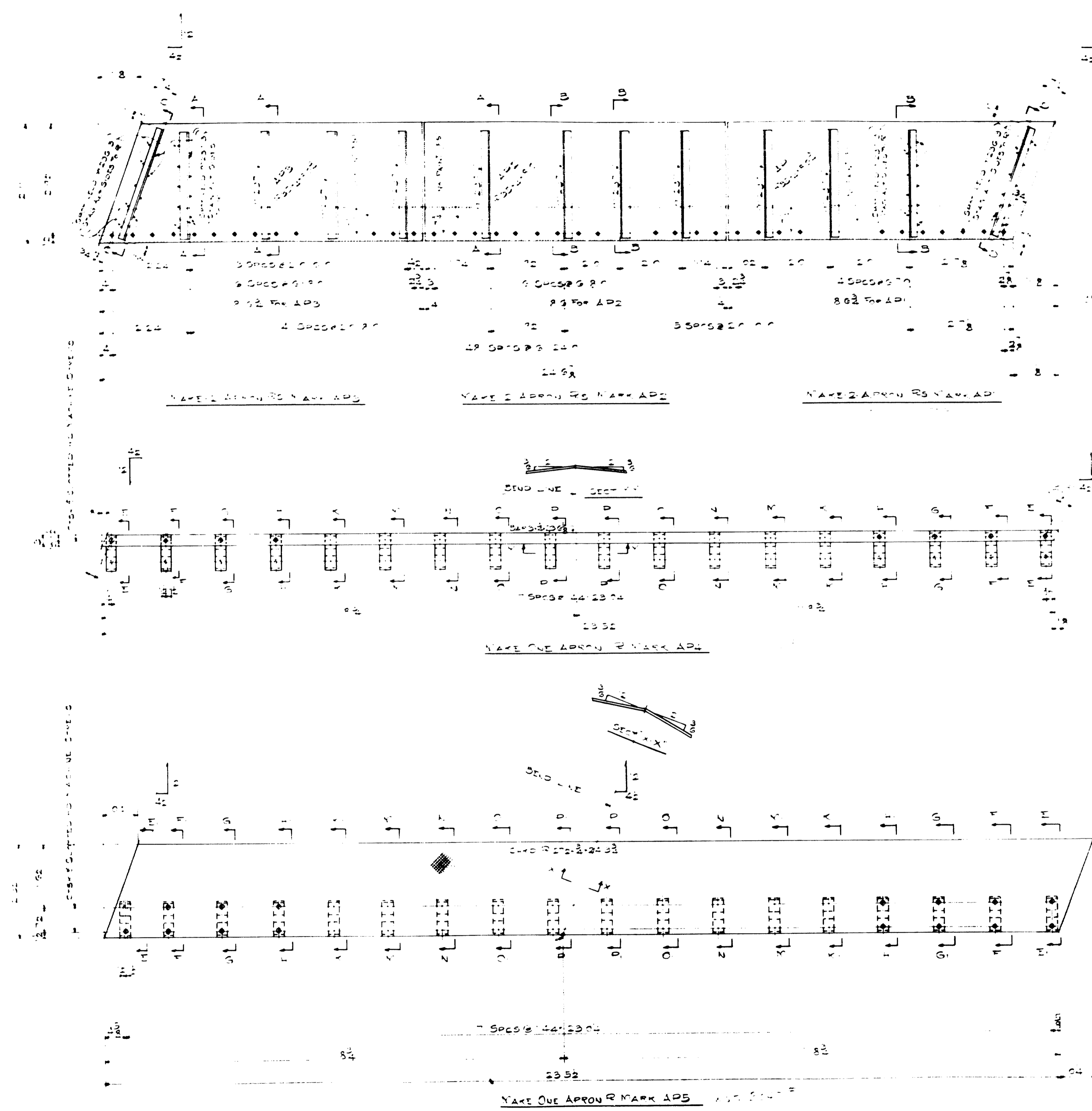


MAKE 4 FIXED SHOES MARK ES!
MAKE 4 EXPANSION SHOES MARK ES!

NOTES:
RIVETS 3/8" OPEN HOLES 1/2" UNLESS NOTED
PAINT: ONE SHOP COAT RED LEAD AND OIL UNLESS NOTED
CONTACT SURFACES NOT TO BE PAINTED

MAINE STATE HIGHWAY COMMISSION
HARRIS ENGINEERING CO. INC.
NEW MARKET, N. J.
SHEET NO. 27-11

SPECIFICATIONS: MAINE STATE HIGHWAY COMMISSION
STEEL HIGHWAY BRIDGES 1936



FIELD NO	YAKE	MARK	SIZE	LENGTH	REMARKS	ORD	WST
109			355-2	1.02	MARK 125		
107			355-2	1.02	MARK 126		
101			355-2	1.02	MARK 127		
110			355-2	1.02	MARK 128		
111			355-2	1.02	MARK 129		
112			355-2	1.02	MARK 130		
113			355-2	1.02	MARK 131		
114			355-2	1.02	MARK 132		
115			355-2	1.02	MARK 133		
116			355-2	1.02	MARK 134		
117			355-2	1.02	MARK 135		
118			355-2	1.02	MARK 136		
119			355-2	1.02	MARK 137		
120			355-2	1.02	MARK 138		
121			355-2	1.02	MARK 139		
122			355-2	1.02	MARK 140		
123			355-2	1.02	MARK 141		
124			355-2	1.02	MARK 142		
125			355-2	1.02	MARK 143		
126			355-2	1.02	MARK 144		
127			355-2	1.02	MARK 145		
128			355-2	1.02	MARK 146		
129			355-2	1.02	MARK 147		
130			355-2	1.02	MARK 148		
131			355-2	1.02	MARK 149		
132			355-2	1.02	MARK 150		

FIELD NO	YAKE	MARK	SIZE	LENGTH	REMARKS	ORD	WST
133			355-2	1.02	MARK 151		
134			355-2	1.02	MARK 152		
135			355-2	1.02	MARK 153		
136			355-2	1.02	MARK 154		
137			355-2	1.02	MARK 155		
138			355-2	1.02	MARK 156		
139			355-2	1.02	MARK 157		
140			355-2	1.02	MARK 158		
141			355-2	1.02	MARK 159		
142			355-2	1.02	MARK 160		
143			355-2	1.02	MARK 161		
144			355-2	1.02	MARK 162		
145			355-2	1.02	MARK 163		
146			355-2	1.02	MARK 164		
147			355-2	1.02	MARK 165		
148			355-2	1.02	MARK 166		
149			355-2	1.02	MARK 167		
150			355-2	1.02	MARK 168		

FIELD NO	YAKE	MARK	SIZE	LENGTH	REMARKS	ORD	WST
151			355-2	1.02	MARK 169		
152			355-2	1.02	MARK 170		
153			355-2	1.02	MARK 171		
154			355-2	1.02	MARK 172		
155			355-2	1.02	MARK 173		
156			355-2	1.02	MARK 174		
157			355-2	1.02	MARK 175		
158			355-2	1.02	MARK 176		
159			355-2	1.02	MARK 177		
160			355-2	1.02	MARK 178		
161			355-2	1.02	MARK 179		
162			355-2	1.02	MARK 180		
163			355-2	1.02	MARK 181		
164			355-2	1.02	MARK 182		
165			355-2	1.02	MARK 183		
166			355-2	1.02	MARK 184		
167			355-2	1.02	MARK 185		
168			355-2	1.02	MARK 186		
169			355-2	1.02	MARK 187		
170			355-2	1.02	MARK 188		

NOTES:
 GIRDERS & APRON HOLES 2" IN DIAMETER
 ALL BOLTS FINISHED FULL ONE END NOTED
 PAINT THE SHOP COAT OF RED LEAD OIL PAINT WITH
 CONTACT SURFACES NOT PAINTED

APPROVED BY
 ENGINEER
 CHECKED BY
 DRAWN BY
 SCALE
 DATE
 PROJECT
 YAKE STATE HIGHWAY COMMISSION
 MARKS STATE HIGHWAY STEEL BRIDGE NO. MC
 NEW YORK STATE HIGHWAY MARK 125
 SPECIFICATIONS YAKE STATE HIGHWAY COMMISSION
 STEEL HIGHWAY BRIDGES 730
 SHEET NO. 9

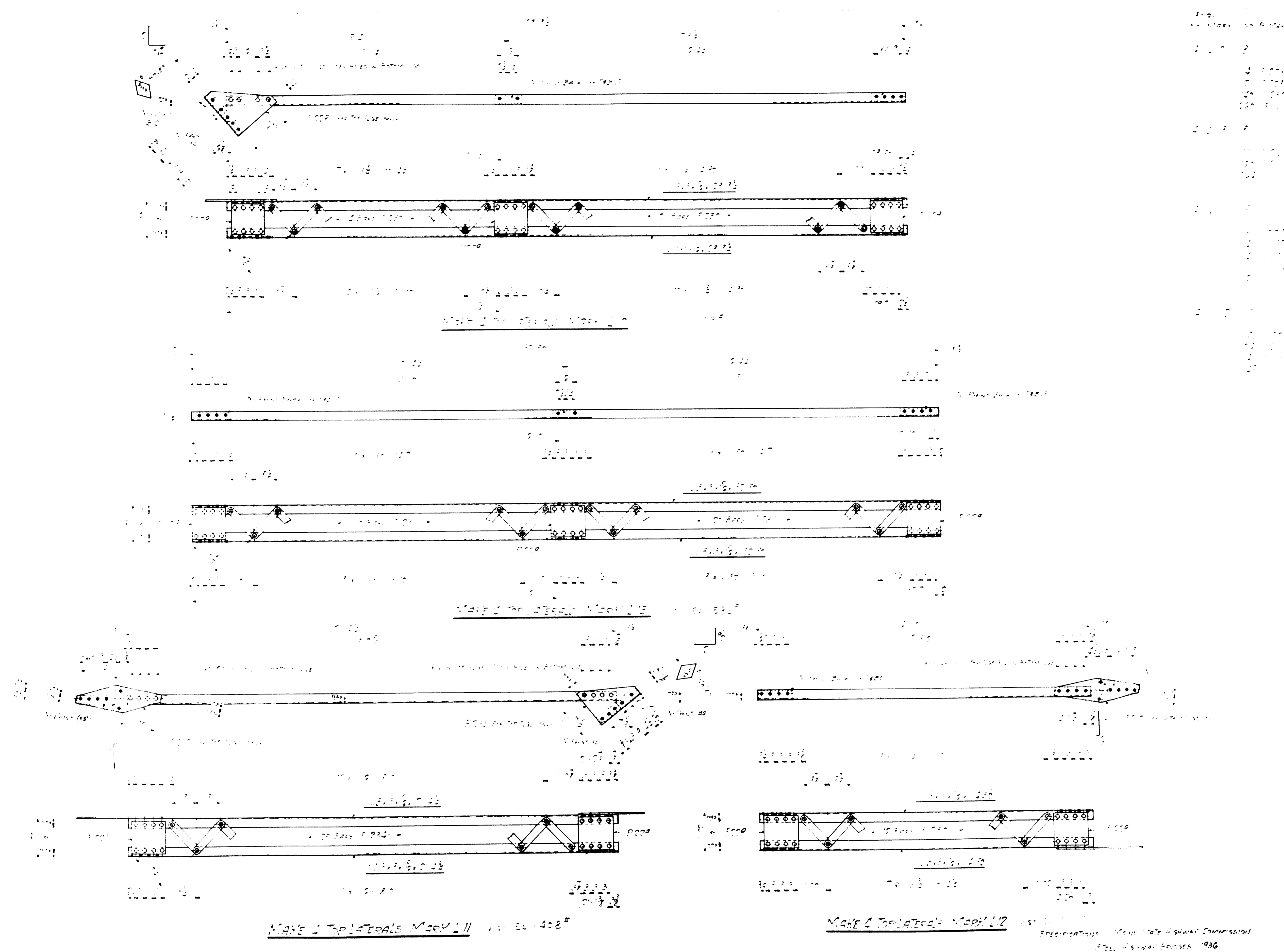
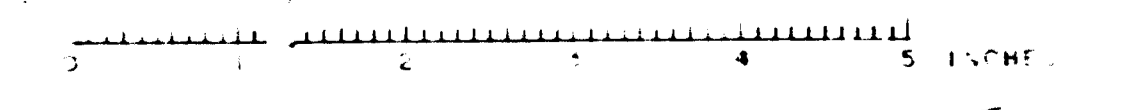


Fig.	Quantity	Material	Notes
1	2	12" x 12" x 1/2"	...
2	2	12" x 12" x 1/2"	...
3	2	12" x 12" x 1/2"	...
4	2	12" x 12" x 1/2"	...
5	2	12" x 12" x 1/2"	...
6	2	12" x 12" x 1/2"	...
7	2	12" x 12" x 1/2"	...
8	2	12" x 12" x 1/2"	...
9	2	12" x 12" x 1/2"	...
10	2	12" x 12" x 1/2"	...
11	2	12" x 12" x 1/2"	...
12	2	12" x 12" x 1/2"	...
13	2	12" x 12" x 1/2"	...
14	2	12" x 12" x 1/2"	...
15	2	12" x 12" x 1/2"	...
16	2	12" x 12" x 1/2"	...
17	2	12" x 12" x 1/2"	...
18	2	12" x 12" x 1/2"	...
19	2	12" x 12" x 1/2"	...
20	2	12" x 12" x 1/2"	...

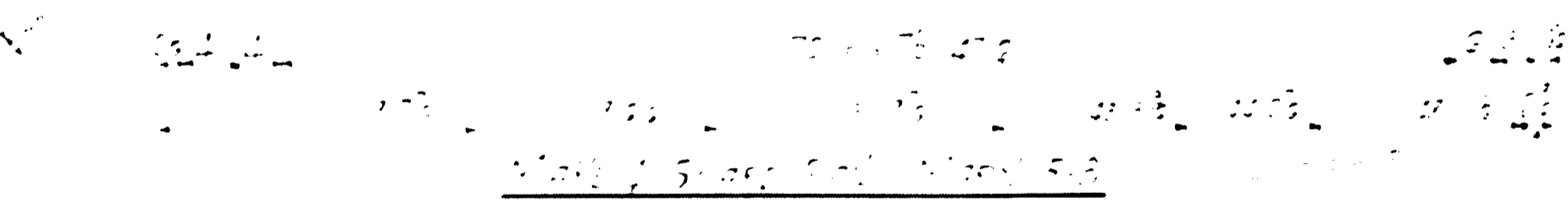
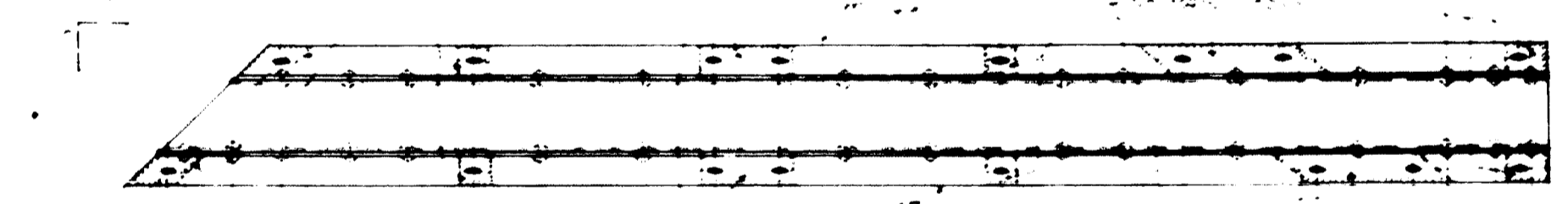
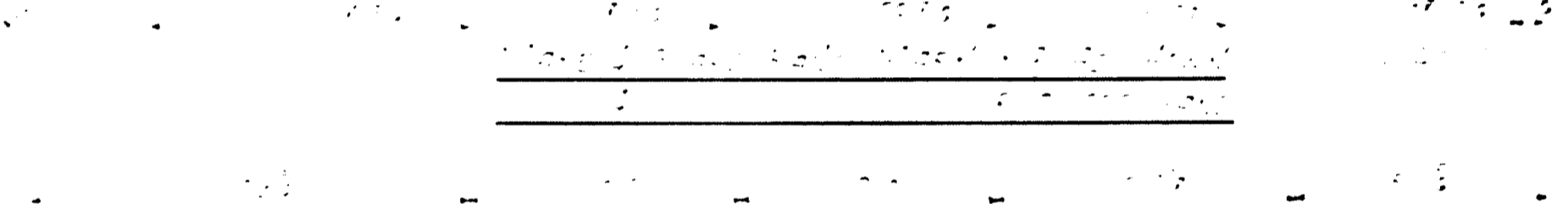
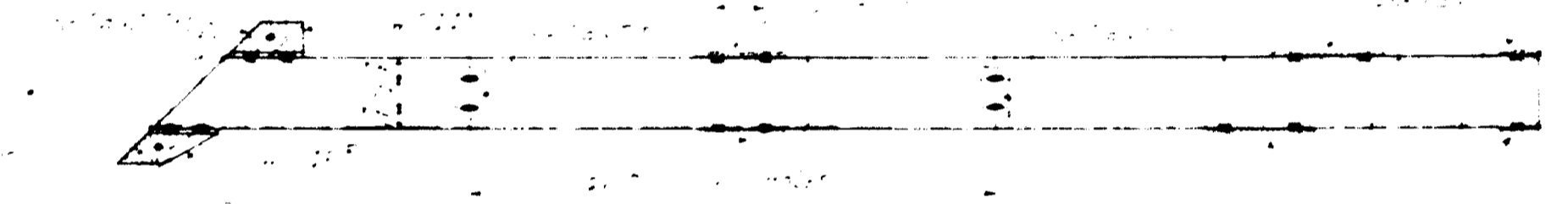
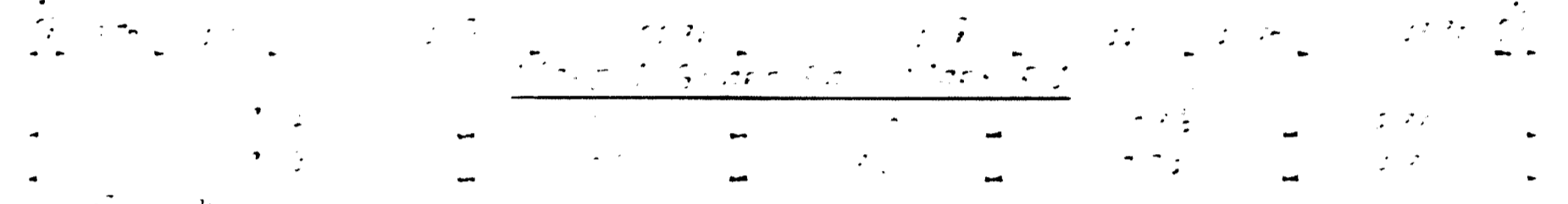
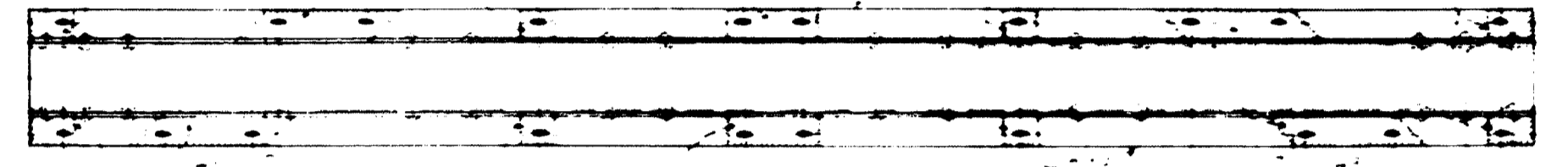
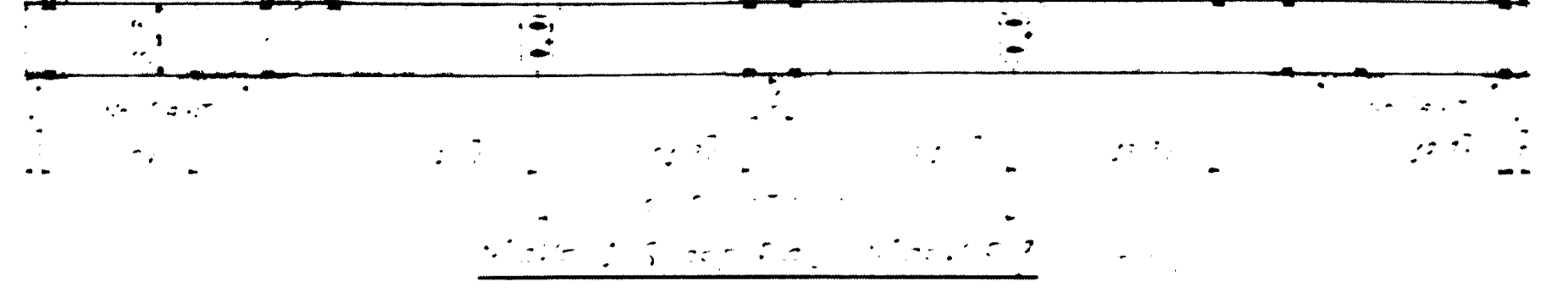
DATE: 1/15/33
 DRAWN BY: J. H. ...
 CHECKED BY: ...
 APPROVED BY: ...

ORDER NO. 5-07	SHEET NO. 10
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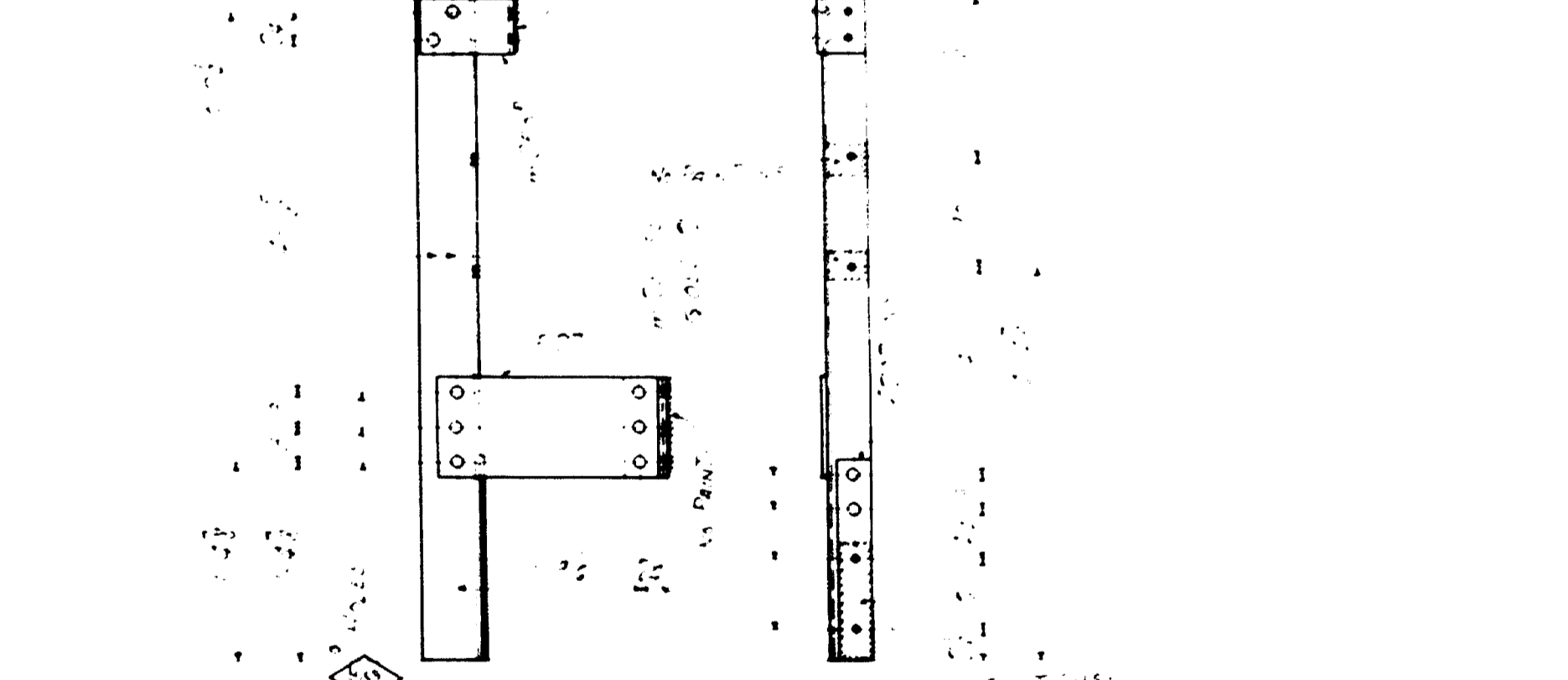
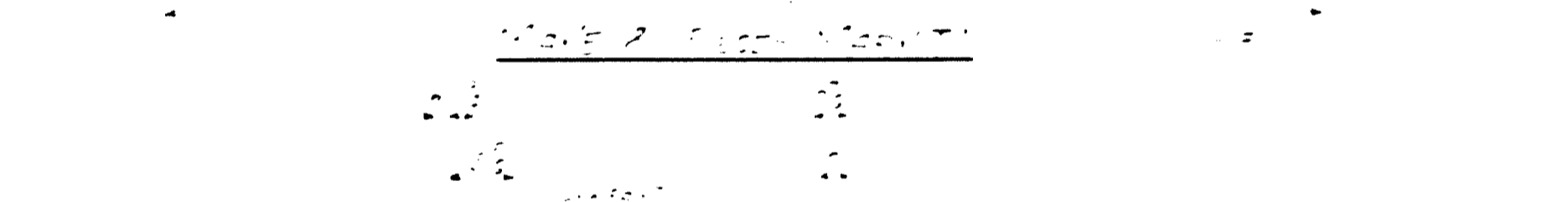
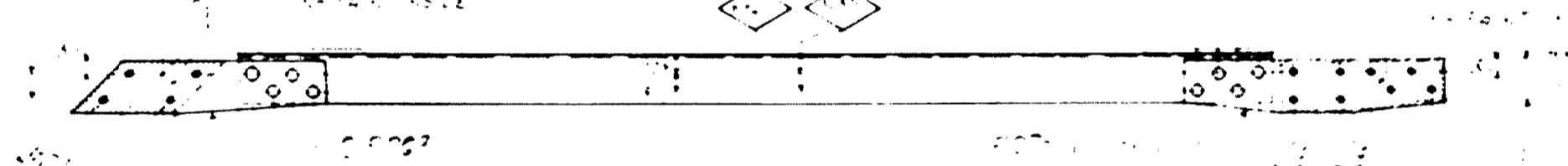
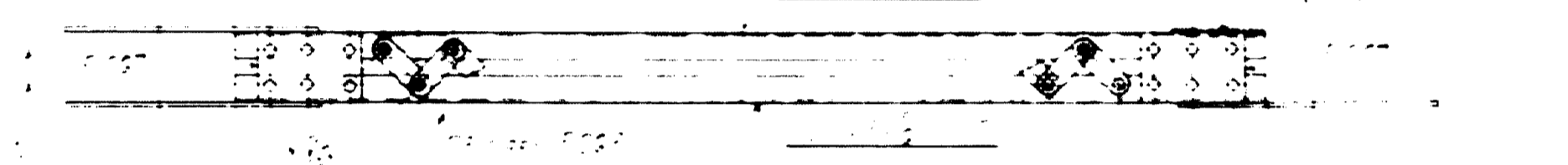
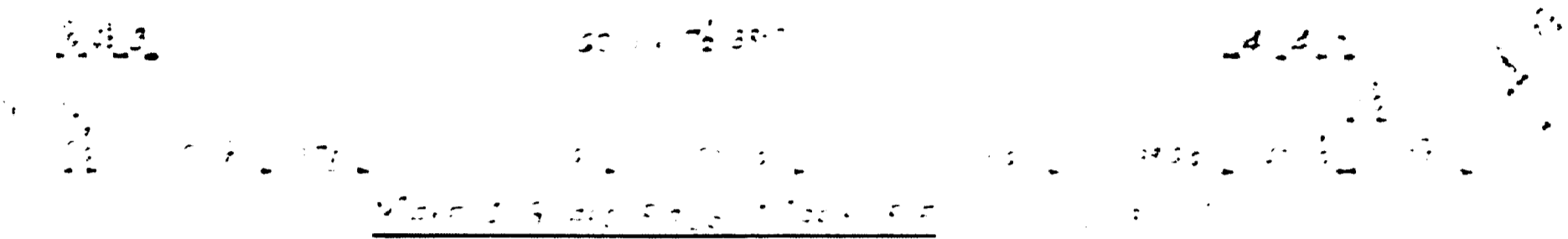
MAHIS STRUCTURAL STEEL CO., INC.
 NEW YORK CITY AND NEW MARKET, N. J.



Map 1
 100 200 300 400 500 600 700 800 900 1000
 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000



Map 8
 100 200 300 400 500 600 700 800 900 1000
 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

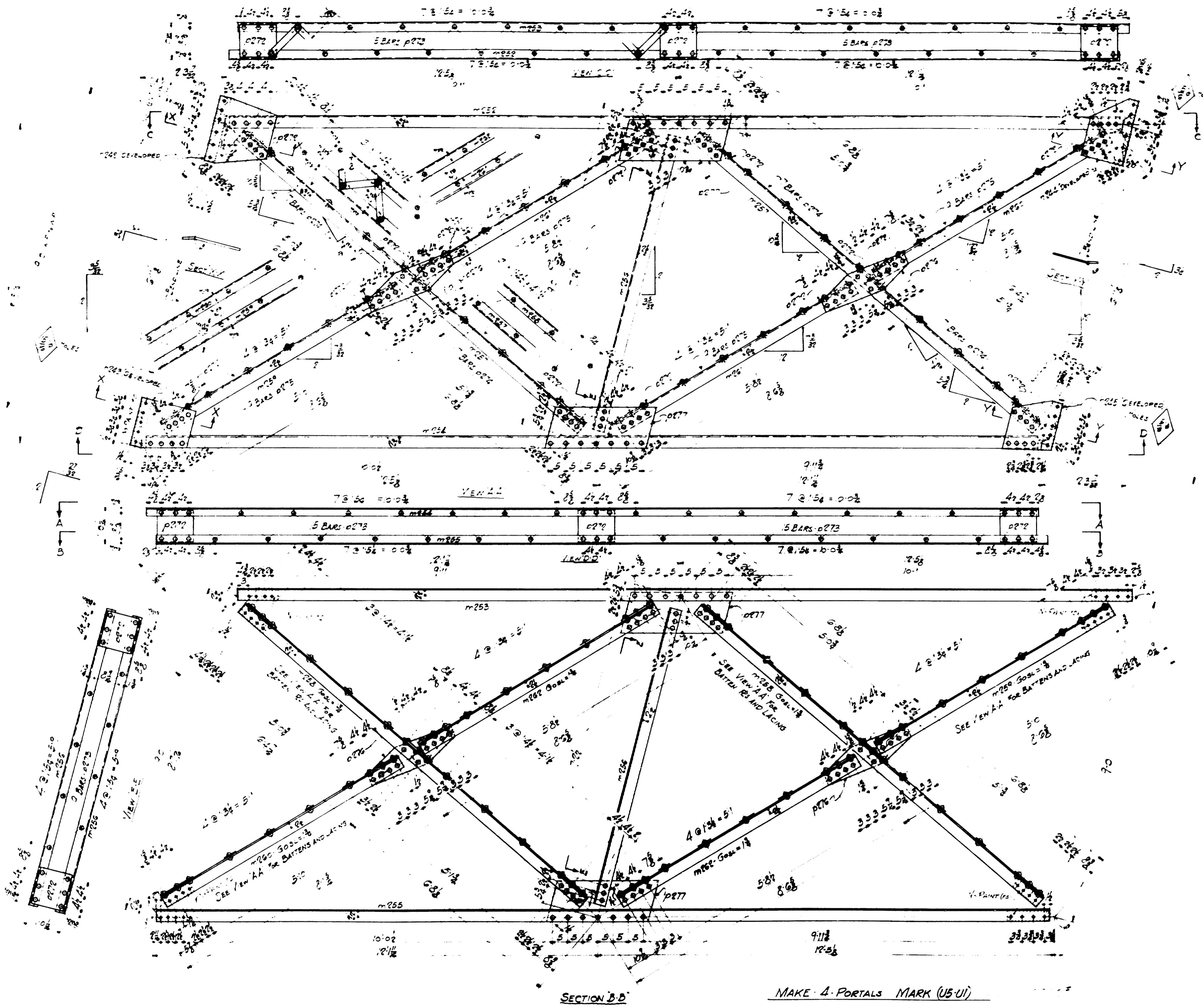


Map 13
 100 200 300 400 500 600 700 800 900 1000
 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

PEED NO	MARK NO	NO. PLYS	MADE UP OF	OF	REMARKS	ORD	WST
---------	---------	----------	------------	----	---------	-----	-----

1	1	1	...	...	...	...	...
2	2	1	...	...	...	...	...
3	3	1	...	...	...	...	...
4	4	1	...	...	...	...	...
5	5	1	...	...	...	...	...
6	6	1	...	...	...	...	...
7	7	1	...	...	...	...	...
8	8	1	...	...	...	...	...
9	9	1	...	...	...	...	...
10	10	1	...	...	...	...	...
11	11	1	...	...	...	...	...
12	12	1	...	...	...	...	...
13	13	1	...	...	...	...	...
14	14	1	...	...	...	...	...
15	15	1	...	...	...	...	...
16	16	1	...	...	...	...	...
17	17	1	...	...	...	...	...
18	18	1	...	...	...	...	...
19	19	1	...	...	...	...	...
20	20	1	...	...	...	...	...
21	21	1	...	...	...	...	...
22	22	1	...	...	...	...	...
23	23	1	...	...	...	...	...
24	24	1	...	...	...	...	...
25	25	1	...	...	...	...	...
26	26	1	...	...	...	...	...
27	27	1	...	...	...	...	...
28	28	1	...	...	...	...	...
29	29	1
30	30	1

7/16/46
 7K 8466
 SHEET NO. 13



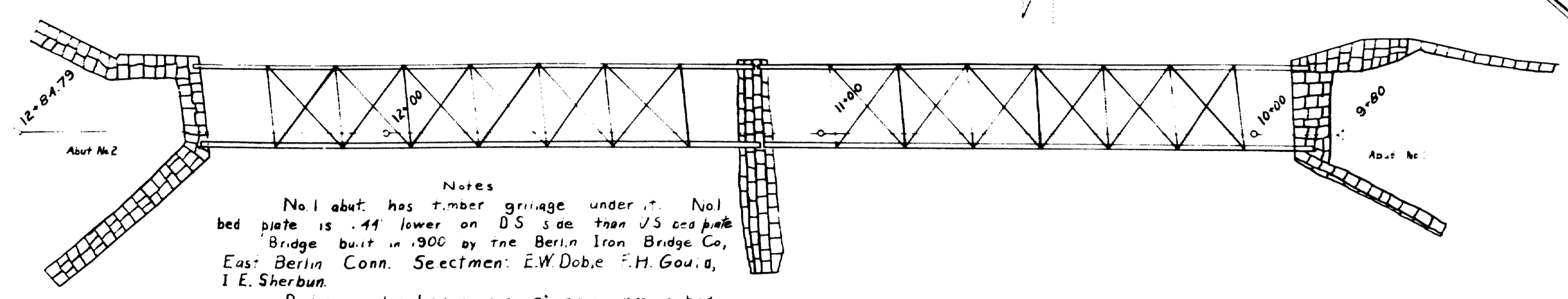
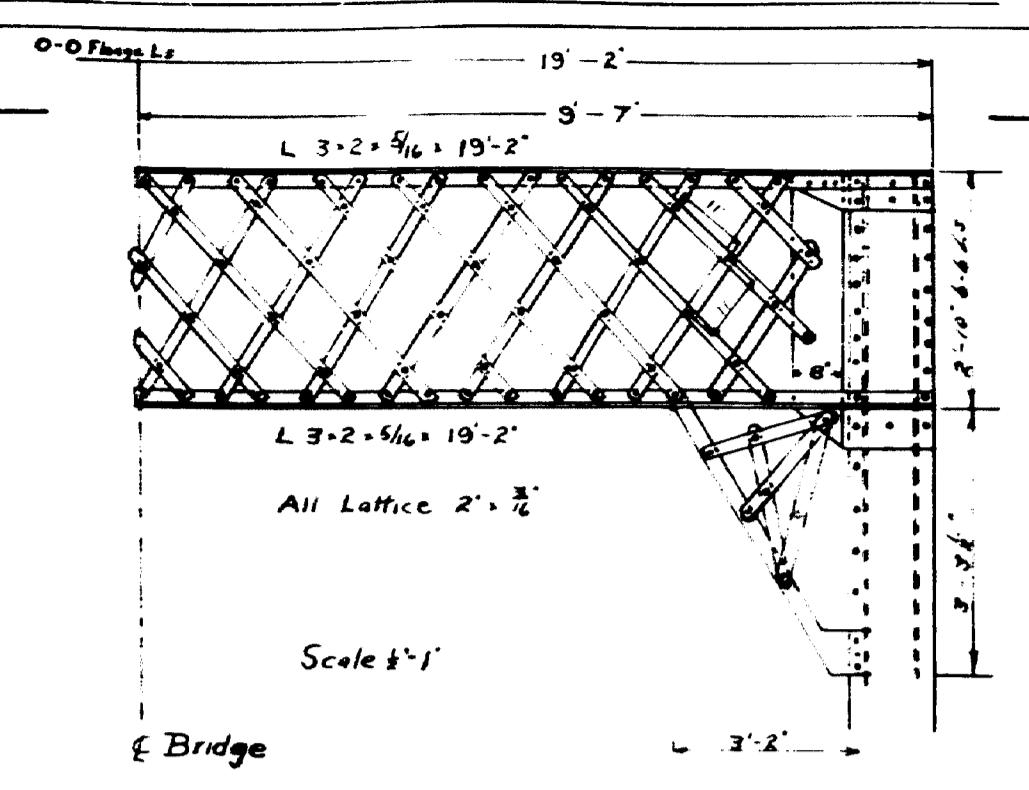
REF ID	NO	MARK	NO	REMARKS	DATE	BY
4	(U5-U1)					
1						
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100						

NOTES:
 PART ONE SHOWS RED LEAD...
 SPECIFICATIONS...
 STEEL HIGHWAY BRIDGES

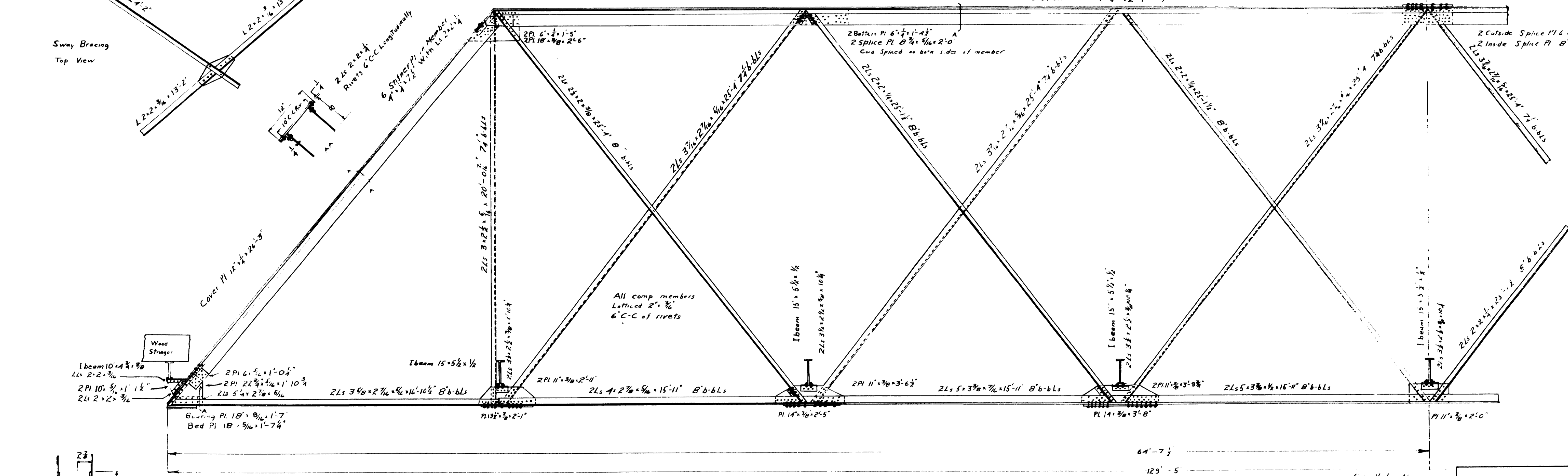
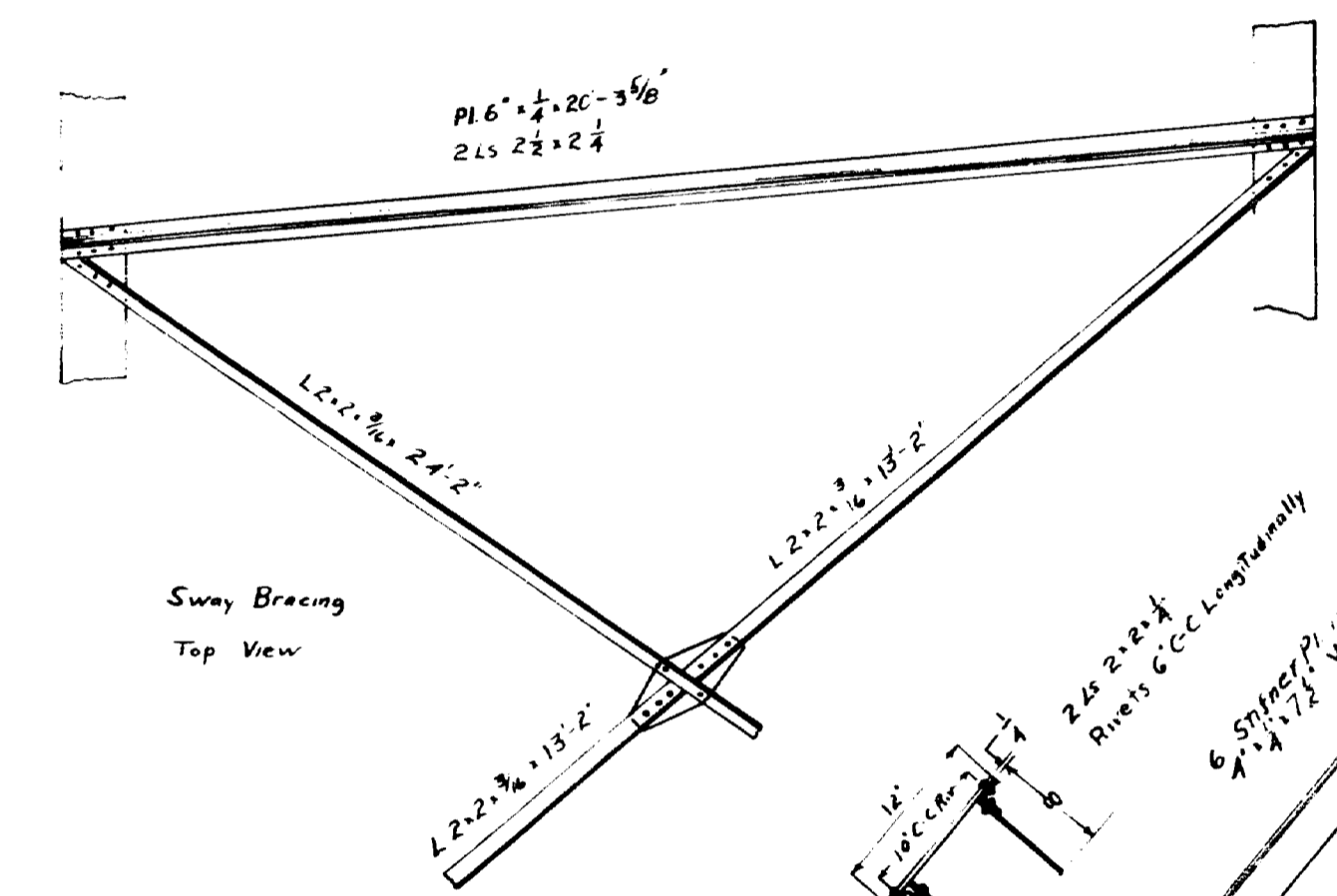
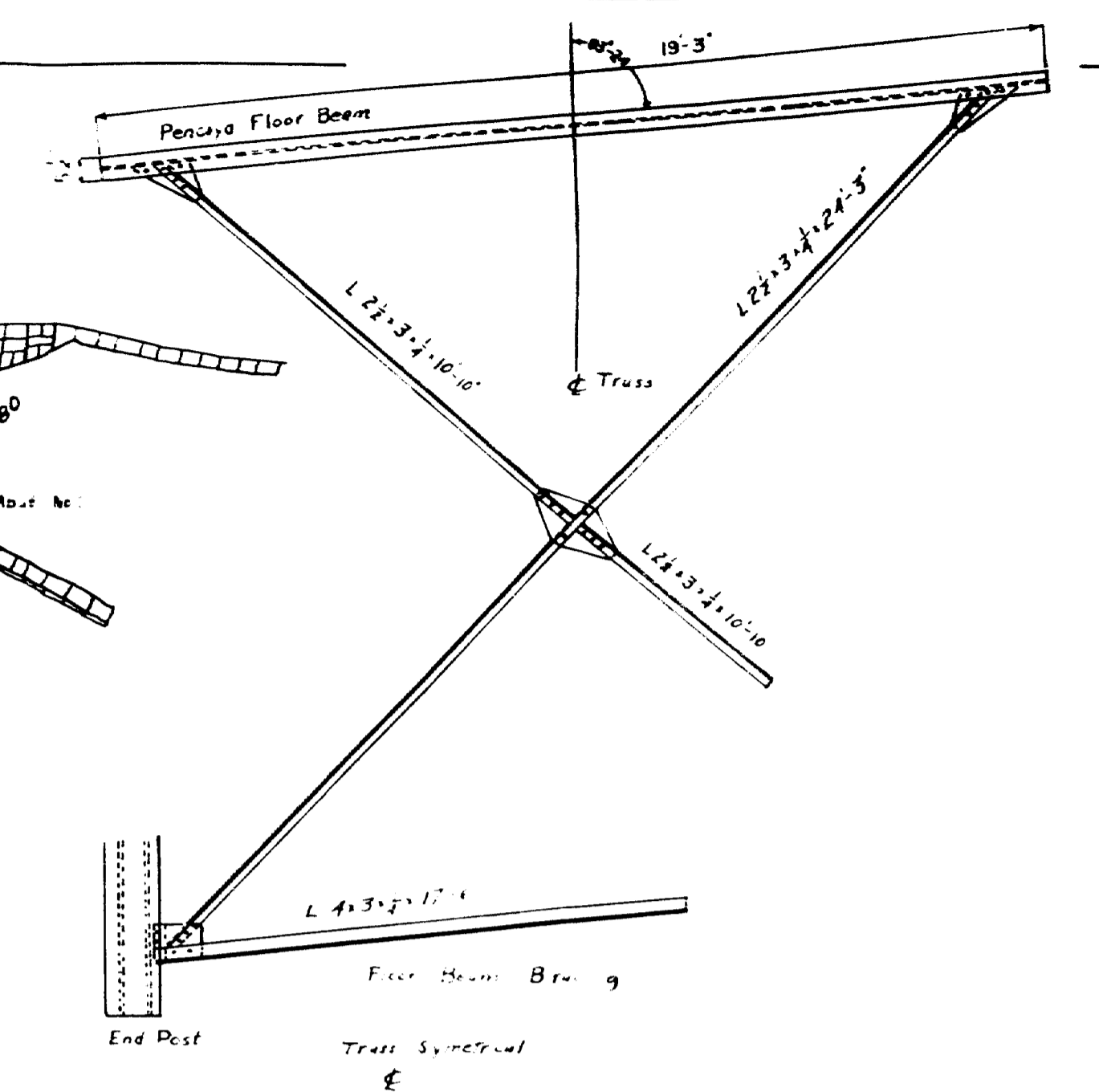
PLEASE...
 THE TOWN...
 STEEL CO. INC.
 NEW MARKET, N.J.

APPROVED...
 DATE...

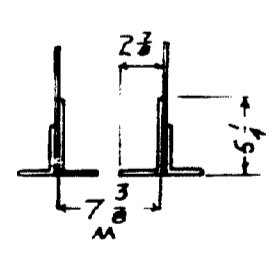
SECTION B-B MAKE 4 PORTALS MARK (U5-U1)



Notes
 No. 1 abut. has timber grillage under it. No. 1 bed plate is .44' lower on DS side than US side. Bridge built in 1900 by the Berlin Iron Bridge Co., East Berlin Conn. Section: E.W. Doble, F.H. Gouge, I.E. Sherburn.
 Rollers under bridge are 2' diam, are in bad shape of no use and badly out of line.
 The top of timber grillage under pier is at elev. 74.0.
 No. 1 abut. grillage is underlined 2'-3" on US corner. Small stones are around grillage. Water is 3' deep at US corner, and about 6' deep at DS corner. Grillage probably large logs slanted parallel to E road. Three inch planks are on grillage.
 Plank in center of two trusses at middle of stream is in very poor shape. Several large holes are in top planking. Under planks in two or three places are nearly rotted thru.
 No. 2 abut. timber grillage parallel to E road, top grillage elev. 73.0. Grillage covered with flagstone on top of which is a row of split stone headers.
 Stream bed: Coarse gravel.

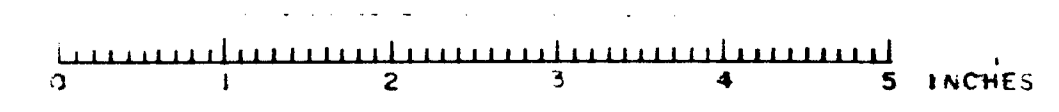


Rivets 6 C-C Longitudinally
 2 Ls 2 x 2 x 1/2
 3 Spline Pl 1 1/4 x 7 1/2 per panel

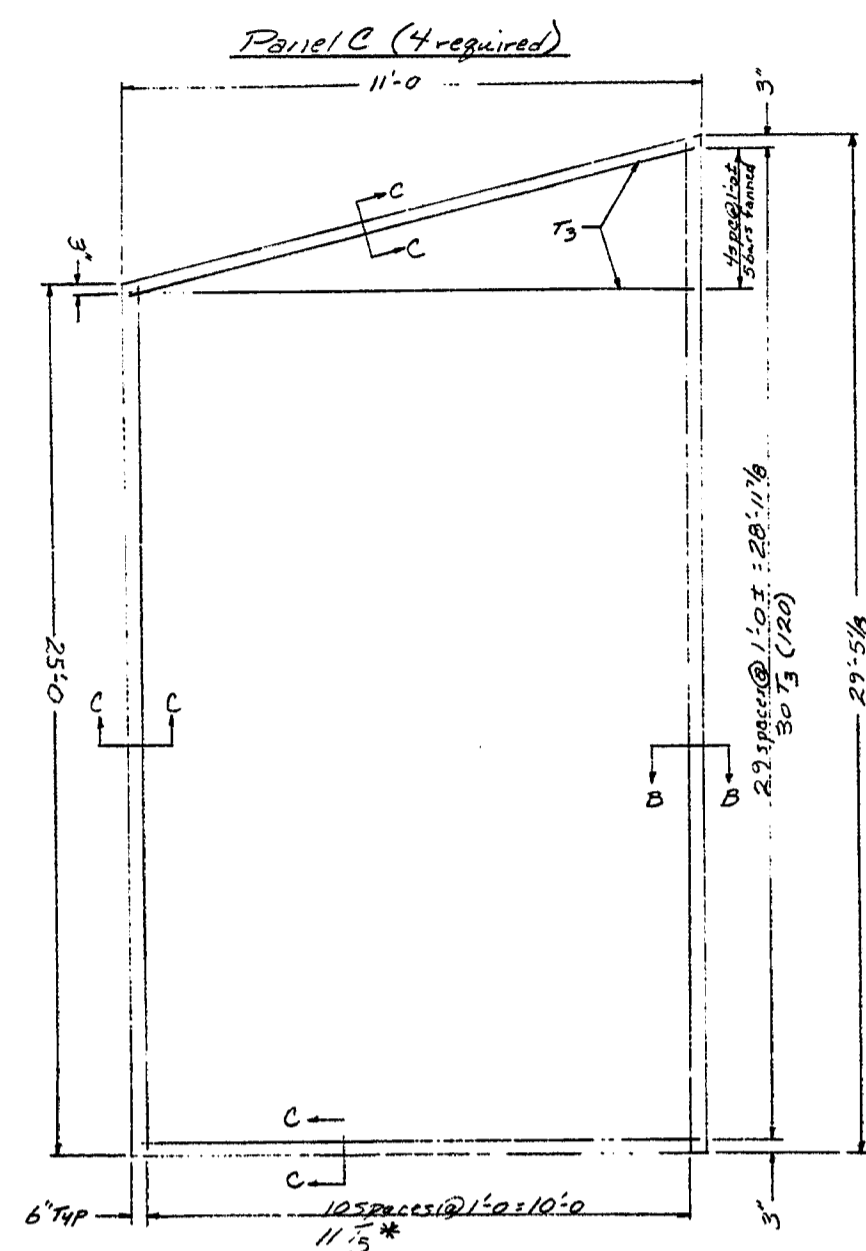


Town 11-16
 bridge 3244
 State Highway Commission
 Bridge Division
PLEASANT RIVER BRIDGE
 OVER
PLEASANT RIVER
 in the town of
MILO PISCATAQUIS COUNTY
 Bridge Details
 Sheet of Augusta Sept. 1, 1935

Surveyed by MacDonnell
 Plotted and Traced by Lynn



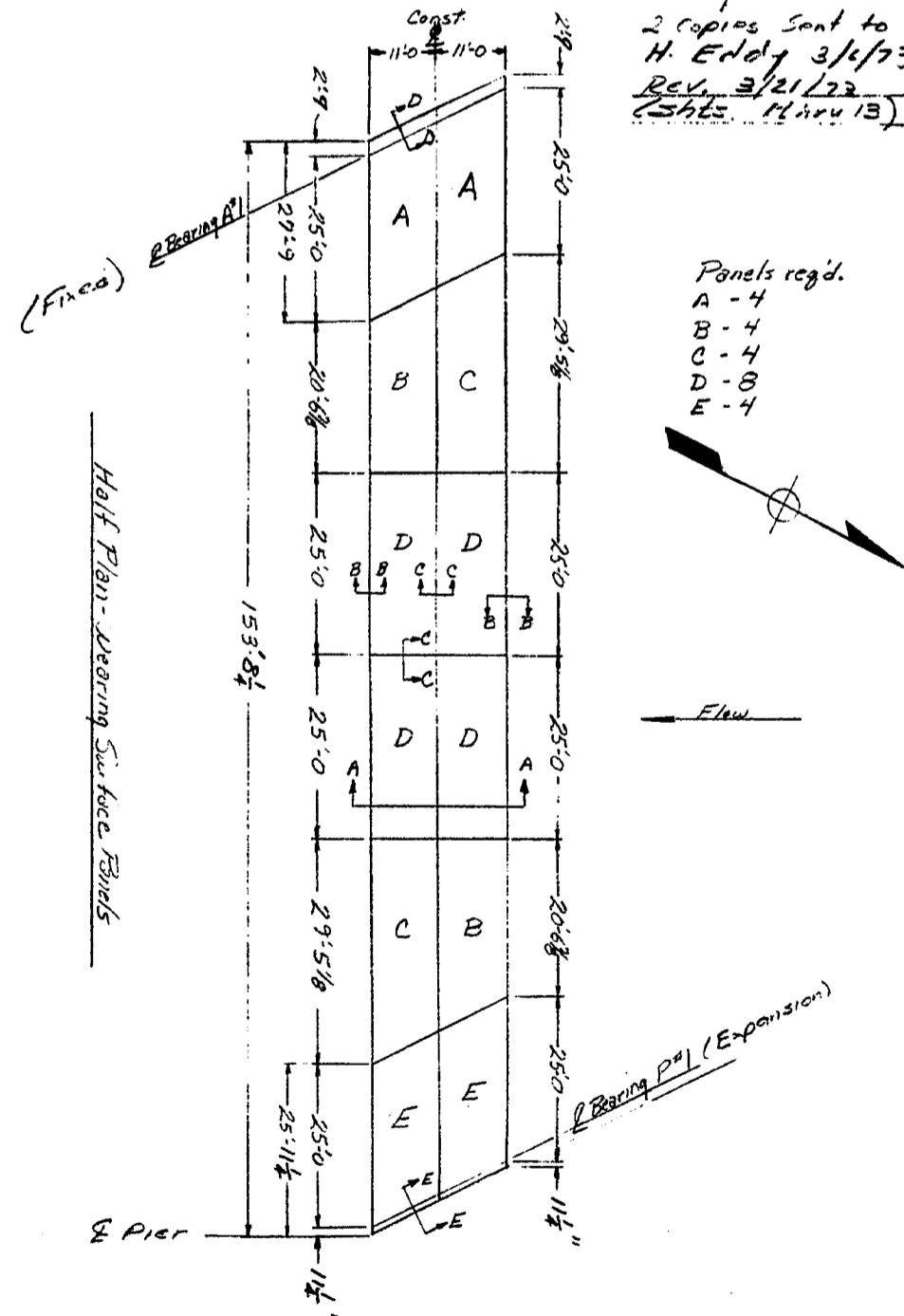
PRELIM. BY J.E. Morse DATE 1-24-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY E.H. Baker DATE 1-28-73 LOCATION 1716 SH. NO. 4 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Weaving Surface



*Cut rebar in field & splice to proper length - 12" min. splice.

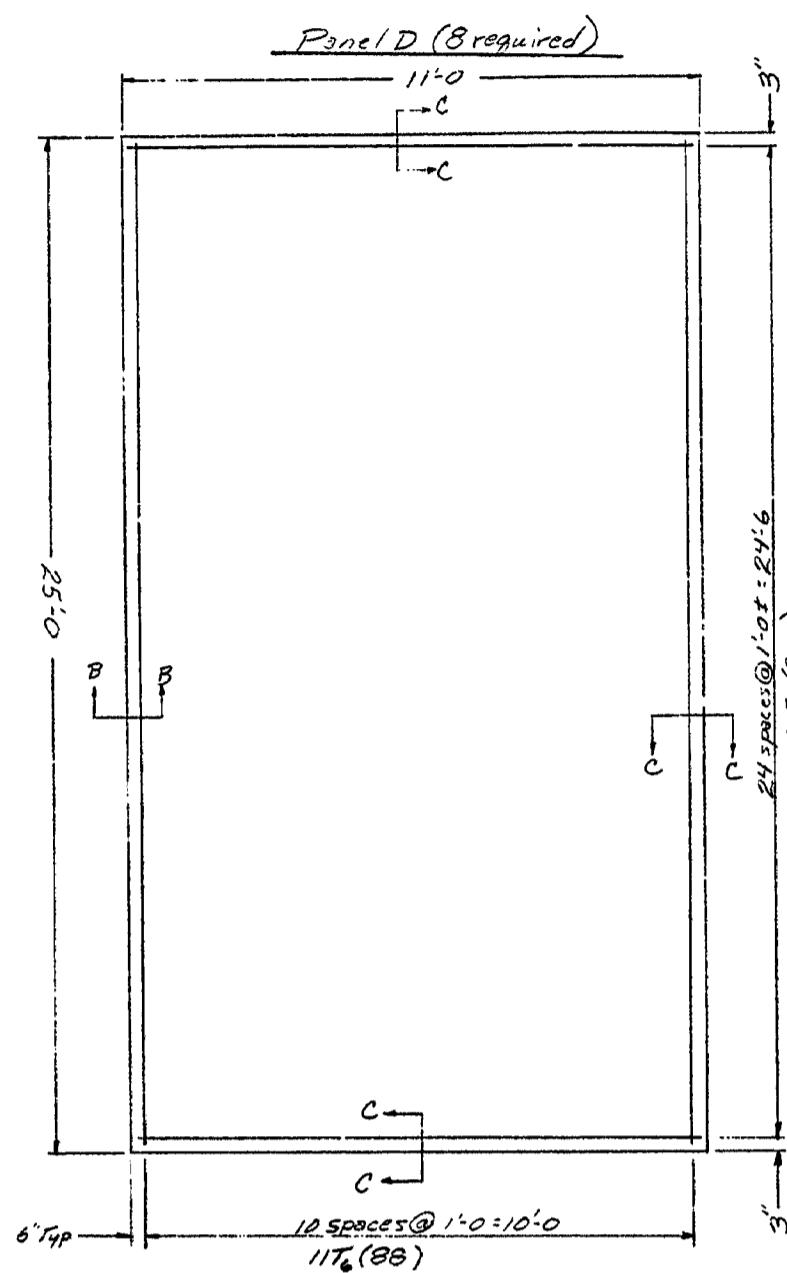
STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:122

PRELIM. BY J.E. Morse DATE 1-24-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY E.H. Baker DATE 1-28-73 LOCATION 1716 SH. NO. 1 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Weaving Surface



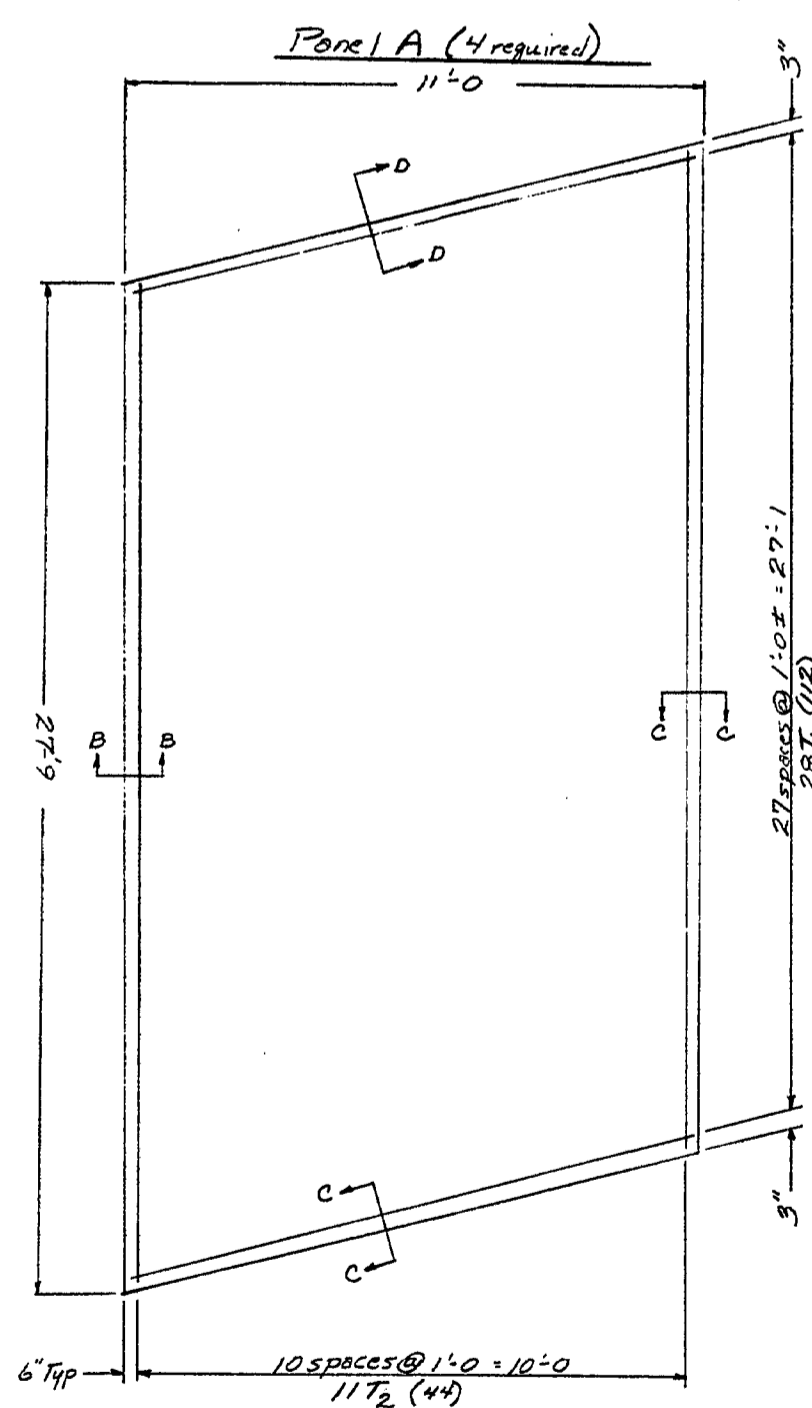
STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:122

PRELIM. BY J.E. Morse DATE 1-24-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY E.H. Baker DATE 1-28-73 LOCATION 1716 SH. NO. 5 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Weaving Surface



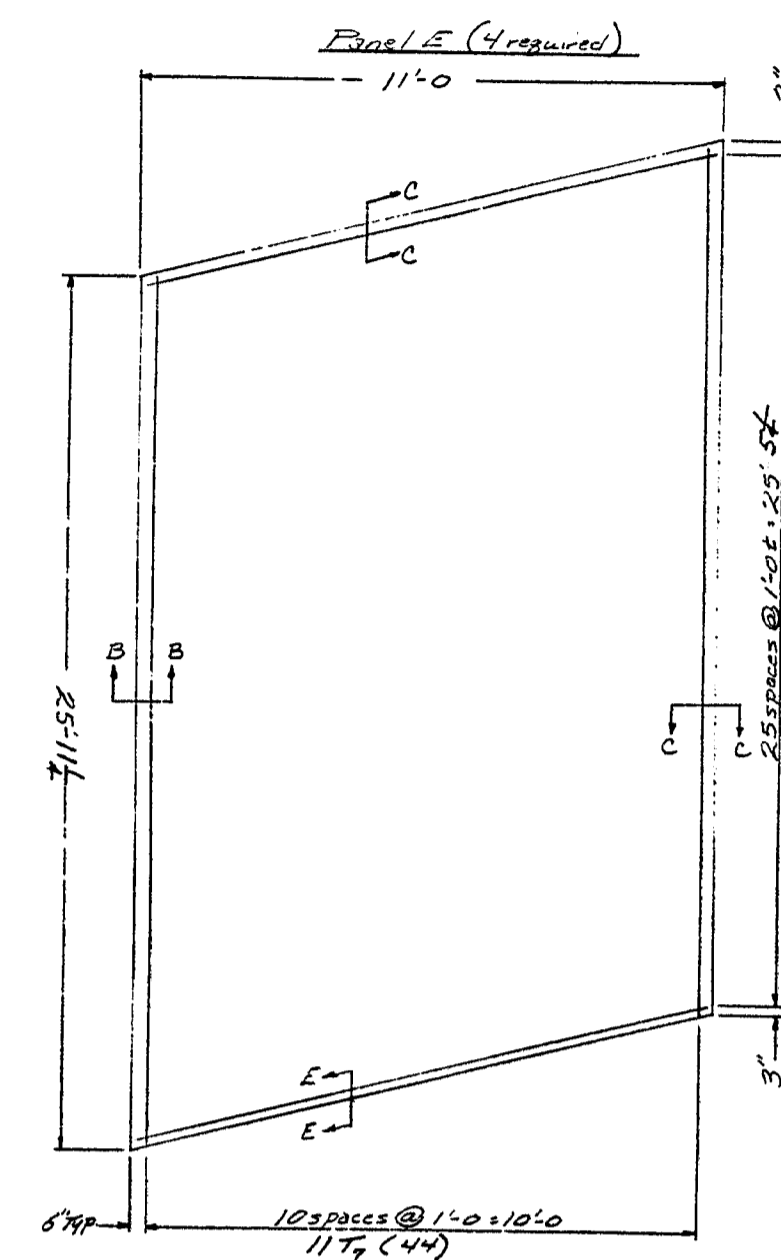
STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:122

PRELIM. BY J.E. Morse DATE 1-24-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY E.H. Baker DATE 1-28-73 LOCATION 1716 SH. NO. 2 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Weaving Surface



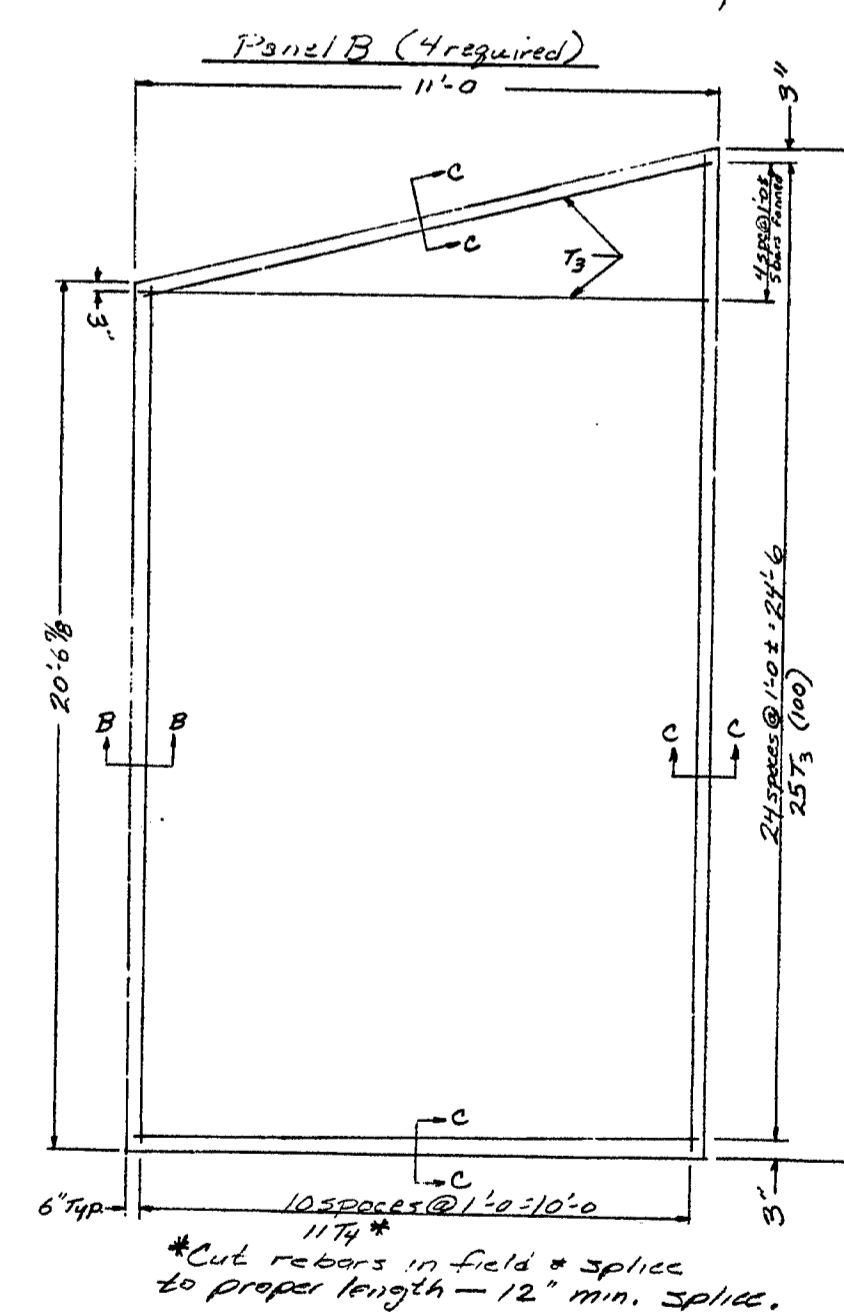
STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:122

PRELIM. BY J.E. Morse DATE 1-24-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY E.H. Baker DATE 1-28-73 LOCATION 1716 SH. NO. 3 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Weaving Surface



STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:122

PRELIM. BY J.E. Morse DATE 1-24-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY E.H. Baker DATE 1-28-73 LOCATION 1716 SH. NO. 4 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Weaving Surface



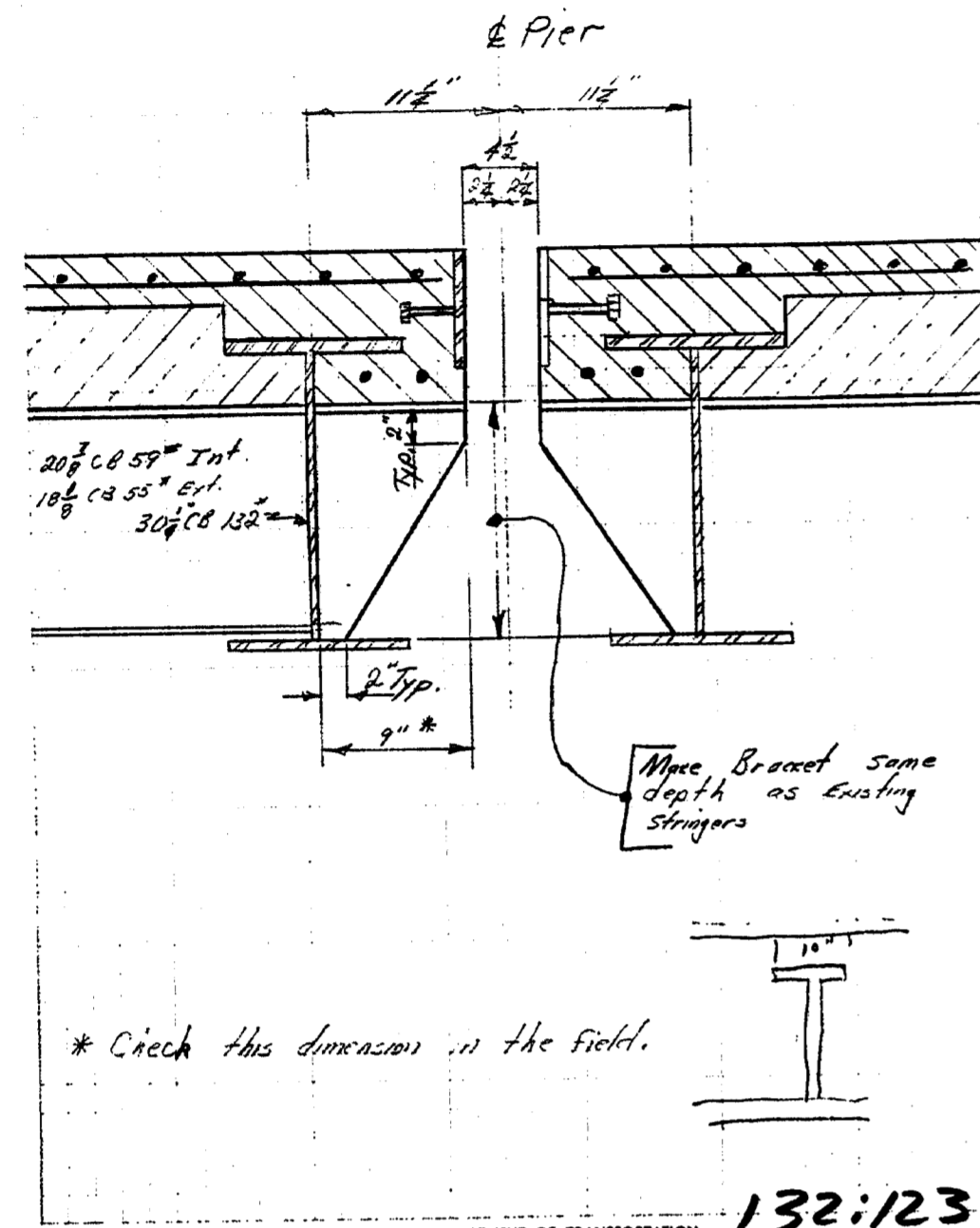
STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:122

*Cut rebar in field & splice to proper length - 12" min. splice.

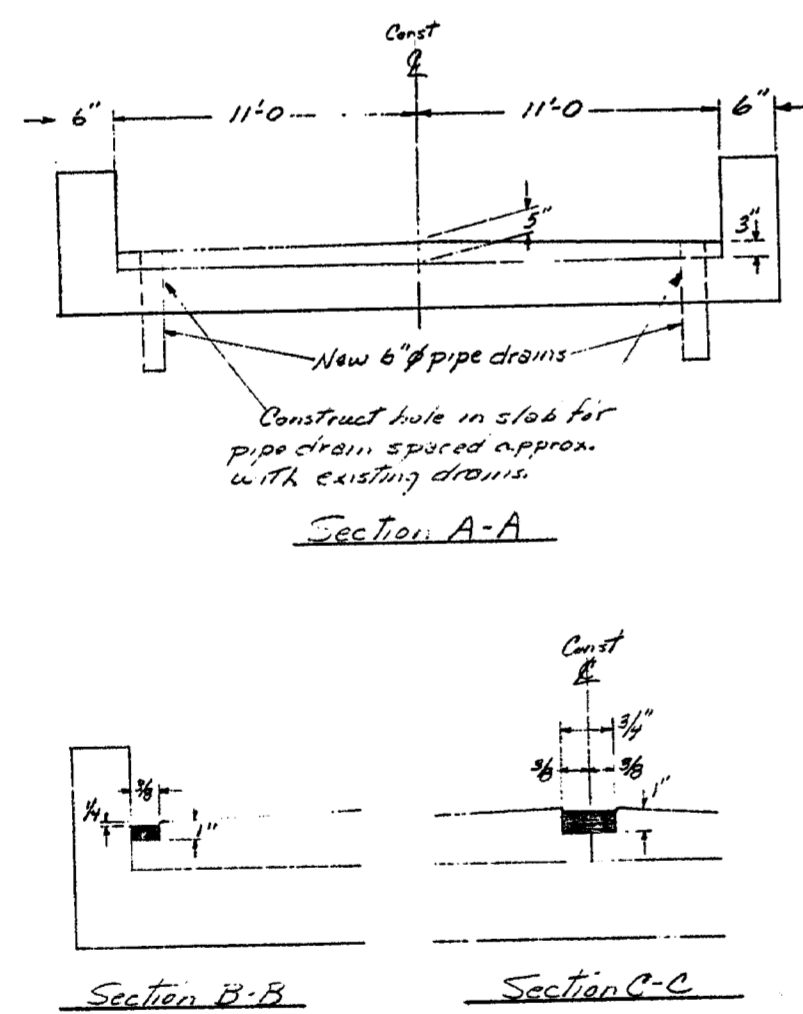


PRELIM. BY CC Barnes DATE 4-10-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY DATE LOCATION SH. NO. 22 OF 22
 ITEM NO. SUBJECT Pleasant River Br. Wearing Surface

Brackets for extending slab over pier 2 copies sent to M. Kelly 5/1/73
 10 Brackets required



PRELIM. BY J.E. Morse DATE 2-23-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY DATE LOCATION SH. NO. 7 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Wearing Surface

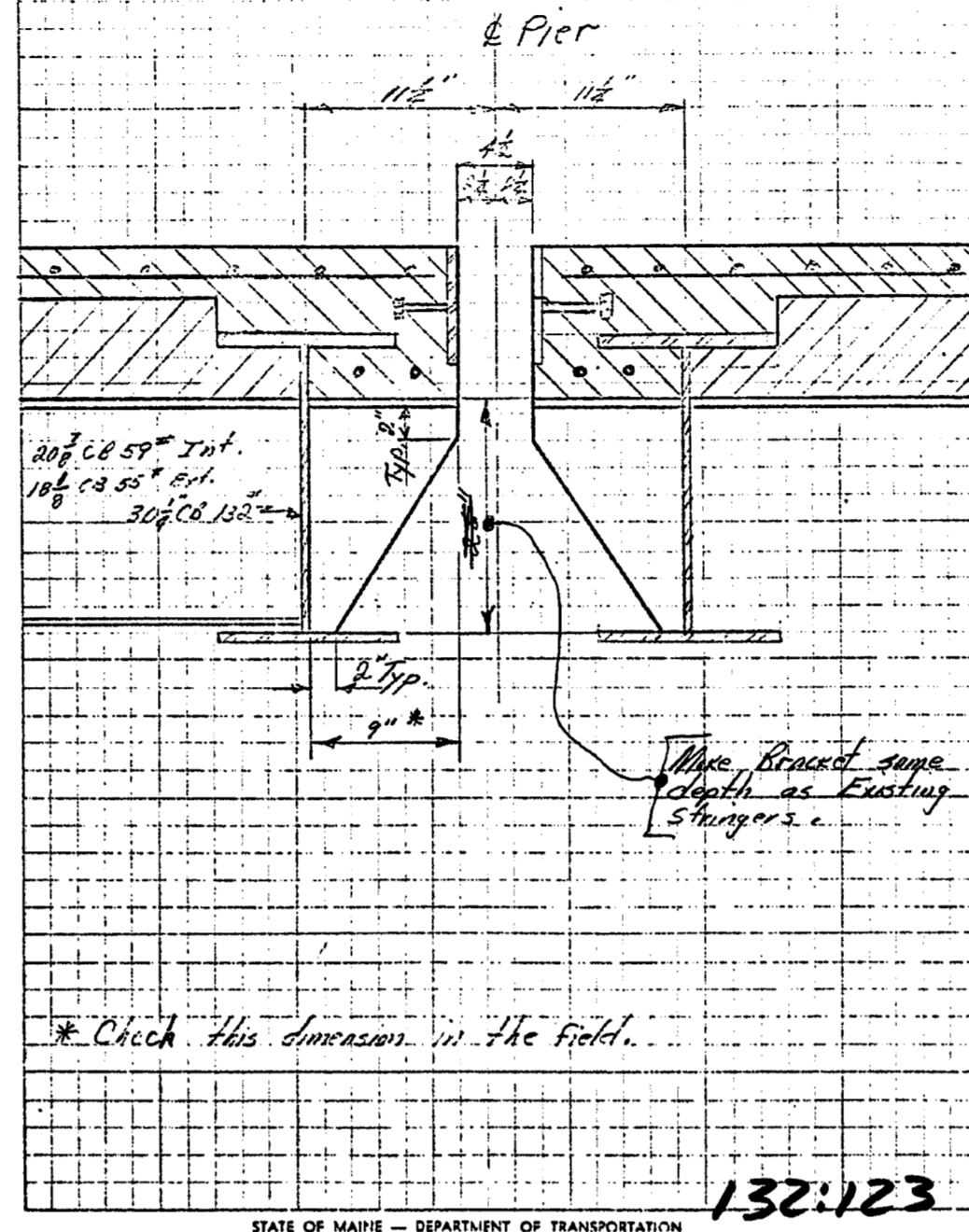


Note: Sand blast joint before placing joint sealant
 Place masking tape in bottom of joint to break bond
 on edges of joint (4" min. w.s.)

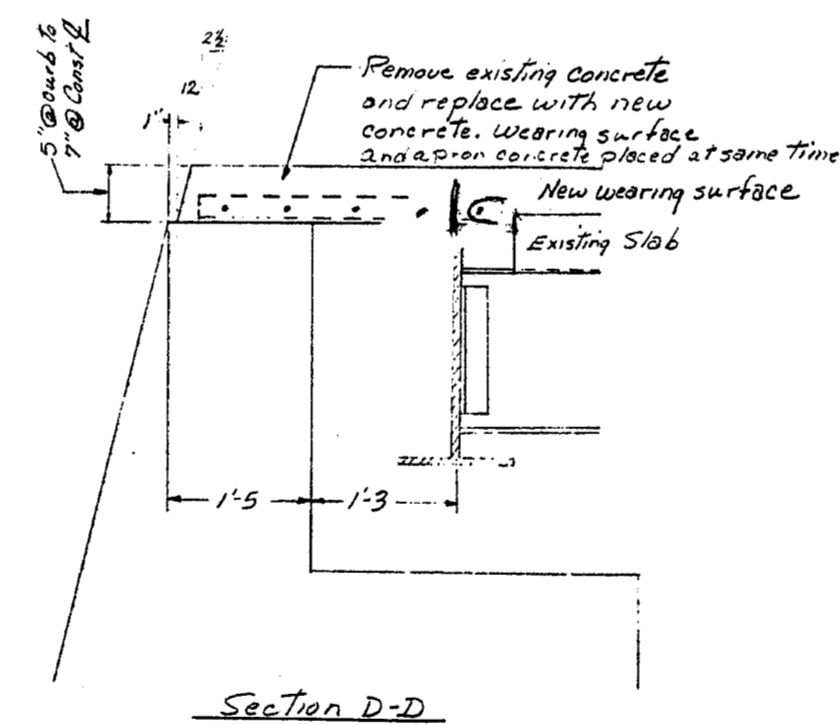
STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:123

PRELIM. BY CC Barnes DATE 4-10-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY DATE LOCATION SH. NO. 22 OF 22
 ITEM NO. SUBJECT Pleasant River Br. Wearing Surface

Brackets for extending slab over pier
 10 Brackets required



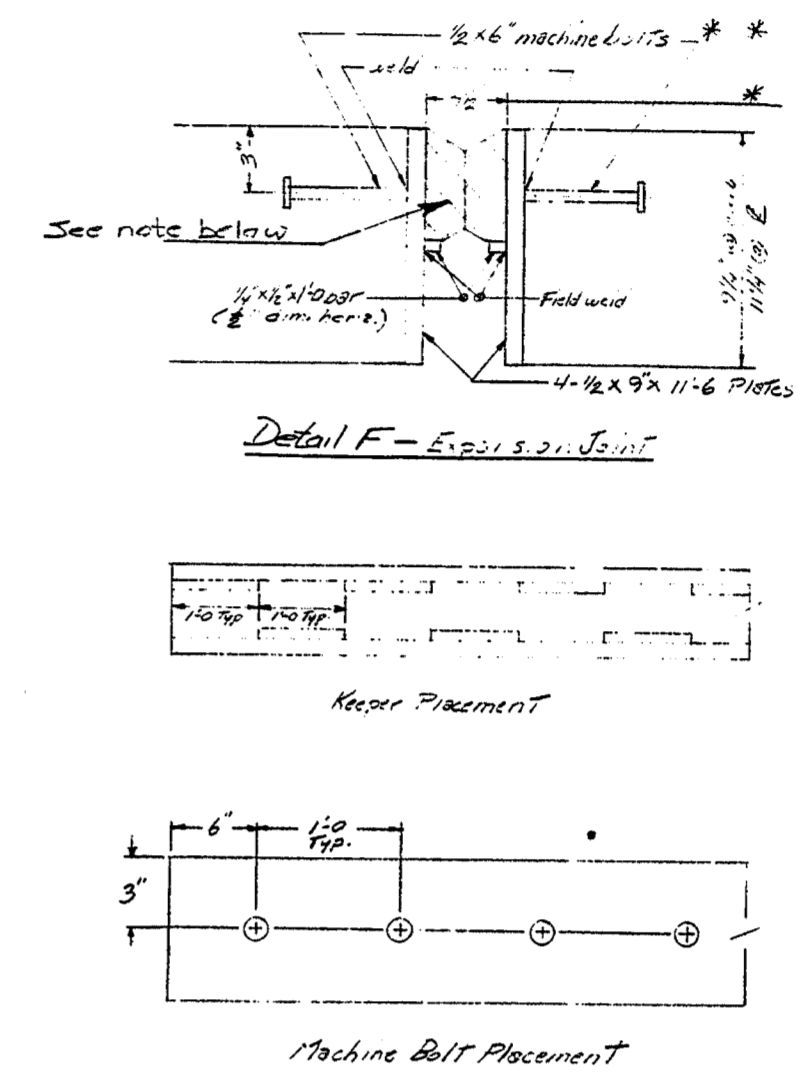
PRELIM. BY J.E. Morse DATE 2-23-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY DATE LOCATION SH. NO. 8 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Wearing Surface



STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:123

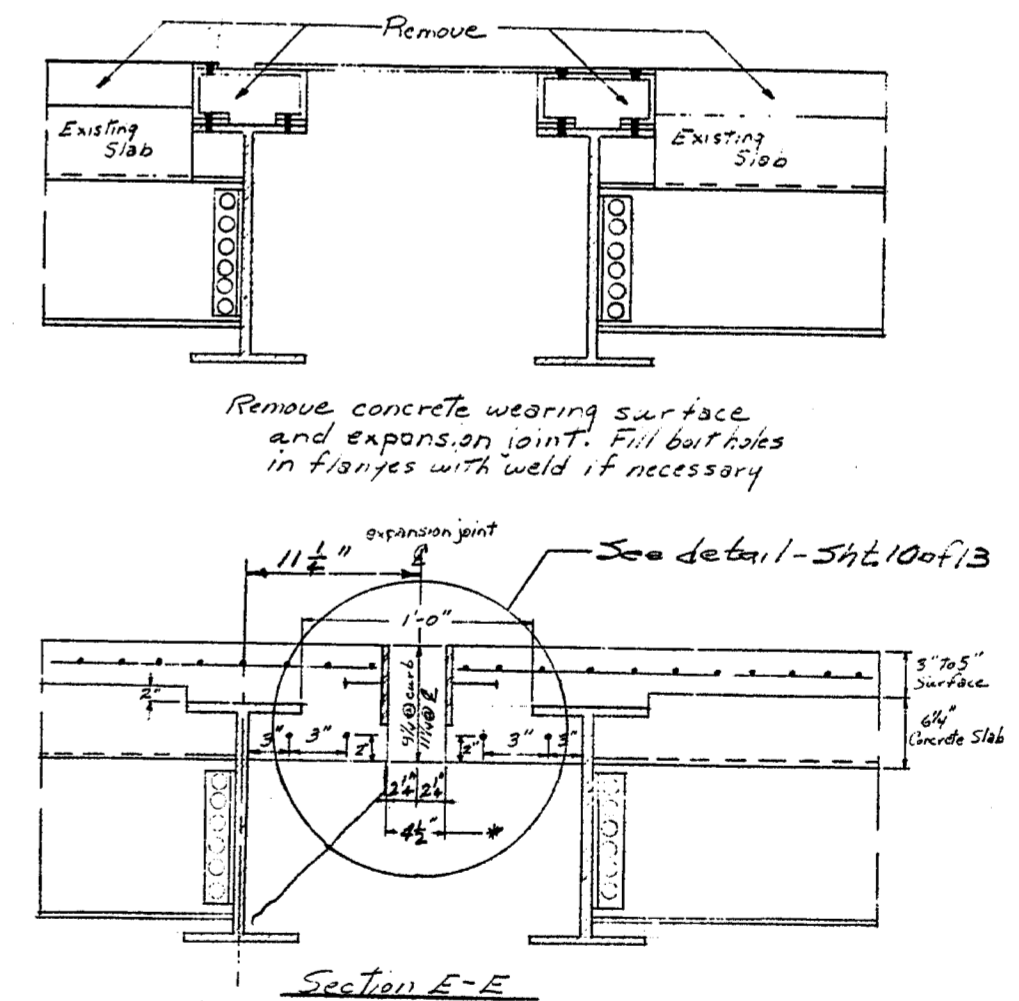
PRELIM. BY J.E. Morse DATE 2-23-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY DATE LOCATION SH. NO. 10 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Wearing Surface

** Equivalent anchor studs may be used in place of 1/2 x 6 Machine Bolts if desired.



Note: The standard preformed expansion material for 3/8\"/>

PRELIM. BY J.E. Morse DATE 2-23-73 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY DATE LOCATION SH. NO. 9 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Wearing Surface

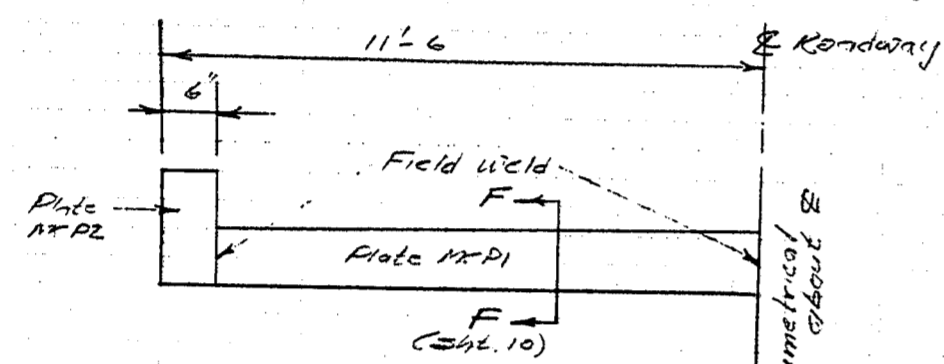


Note: For detail of expansion joint see SH #5 of 12

* Groove size vary - dependant upon requirements of seal manufacturer.

STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:123

PRELIM. BY J.E. Morse DATE 2-1-72 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY J.E. Morse DATE 2-1-72 LOCATION 1112 SH. NO. 11 OF 13
 ITEM NO. SUBJECT Pleasant River Bridge Wearing Surface



HALF SECTION @ EXPANSION JOINT

Note: Field weld as shown - fill gap (caused by surface crown) with weld

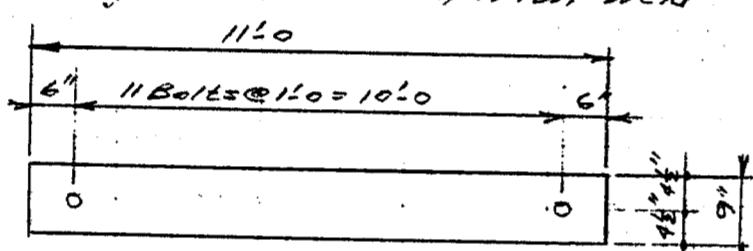


PLATE MAX D1 (4 Req'd)

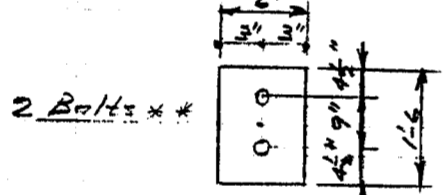


PLATE MAX D2 (4 Req'd)

Notes:
 All plates 1/2" thick, weld machine bolts
 on plates per detail Sht. 10.

* * Equivalent anchor studs may be used in place of 3/8" machine bolts if desired

MAINE STATE HIGHWAY COMMISSION 132:124

PRELIM. BY J.E. Morse DATE 1-26-72 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY J.E. Morse DATE 1-26-72 LOCATION 1112 SH. NO. 12 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Wearing Surface

Reinforcing Steel Schedule

Mark	Size	Length	Number	Remarks
T1	#3	11'-4"	216	Panels A+E Transverse
T2		27'-3"	44	Panel A Longitudinal
T3		10'-8"	420	Panels B,C+D Transverse
T4		20'-0"	48	Panel B Longitudinal
T5		25'-0"	48	Panel C Longitudinal
T6		24'-8"	88	Panel D Longitudinal
T7		25'-6"	44	Panel E Longitudinal

Total Length - 13,591.96'
 $13,591.96' \times .376 \text{ lbs/ft} = 5,106.0 \text{ lbs.}$

STATE OF MAINE - DEPARTMENT OF TRANSPORTATION 132:124

PRELIM. BY J.E. Morse DATE 1-24-72 PROJ. NO. 3244 FILE NO. OF
 FINAL CHK. BY J.E. Morse DATE 1-24-72 LOCATION 1112 SH. NO. 13 OF 13
 ITEM NO. SUBJECT Pleasant River Br. Wearing Surface

Concrete Quantities

$TE: 211 \text{ sq ft} \times 1.53 \cdot 6\% + 103 \cdot 6\% = 307 \cdot 14$
 $211 \cdot 14 - 22 \cdot 0$
 Wearing Surface
 $2 \cdot 7 \cdot 14 \times 22 \cdot 0 \times \frac{.025}{2} = 224 \cdot 8 \text{ cu ft}$
 $22 \cdot 0 \times 10 \cdot 8 \times \frac{.025}{2} = 27 \cdot 9 \text{ cu ft}$
 $(23 \cdot 62 \times 0 \cdot 8 \times 0 \cdot 6\%) 2 = 17 \cdot 9 \text{ cu ft}$
 $70 \cdot 51 \cdot 2267 \cdot 7 \text{ cu ft}$
 871.0 cu yds

Joint Sealer Quantities

Total length $4(103 \cdot 6\%) + 10(22 \cdot 0) = 834 \cdot 24$
 Area of section $3/4 \times 3/4 = .5625 \text{ sq. in.}$
 $834 \cdot 24 \times .5625 \text{ sq. in.} \times 12 \cdot 144 = 5630 \cdot 85 \text{ cu. in.}$
 $\frac{5630 \cdot 85 \text{ cu. in.}}{231 \text{ cu. in./gal}} = 24 \cdot 4 \text{ gals. Use 25 gals.}$

Materials

Mark	Size	Length	Number	Description
P1	1/2" x 0'6"	11'-0"	4	Plates - See details
P2	1/2" x 0'6"	1'-6"	4	Plates - Sht. #11
-	3/4" x 1/2"	1'-0"	23	Keepers
-	1/2"	0'-6"	52	Machine Bolts
-	3/8" Minik	23'-0"	1	Expansion Material (3/8" Total movement)
-	6" p	3'-6"	24	Drain Pipe

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